

HYDRAULIC MAGNETIC CIRCUIT-BREAKERS

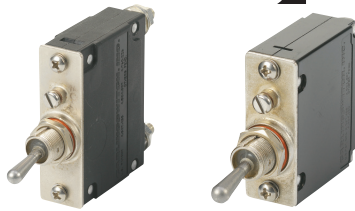
MAGNETIC HYDRAULIC CIRCUIT BREAKERS (CONT.)

Circuit breakers have trip free mechanism and wiping contacts. The **B series** and **C series** hydraulic/magnetic circuit breakers have UL 1500 ignition protection, series trip circuit and front panel snap-in. All units are supplied with all-purpose, AC/DC medium delay curves rated up to 80VDC/277VAC. All series have 6-32 x 0.195" threaded inserts for mounting except **mfg. part no. AA2-B0-24-630-1B2-C** which has ISO M3 x 5mm threaded inserts. **"C" suffix** indicates UL recognized & CSA accepted (except for **C series** where it indicates UL recognized & CSA certified), **"D" suffix** indicates VDE certified, UL recognized & CSA accepted (except for **C series** where it indicates VDE certified, UL recognized & CSA certified). **"E" suffix** indicates TUV certified, UL recognized & CSA accepted.

Mfg. Part No.	Fig.	No. of Poles	Current (A)	Actuator Type	Terminals	Stock No.	Price Each
AA1-B0-34-615-3D1-C	...	1	15	Handle	Screw 8-32 (Bus Type)	32C5860	20.07
AA1-B0-34-630-3D1-C	...	1	30	Handle	Push-On 0.250 Tab (Q.C.)	76K1002	20.07
AA1-B0-26-615-3D1-C	...	1	15	Handle	Screw 8-32 (Bus Type)	64K1986	20.07
AA2-B0-24-630-1B2-C	1	2	30	Handle	Push-On 0.250 Tab (Q.C.)	06M4085	66.33
AC1-B0-34-450-131-D	3	1	5	Rocker	Push-On 0.250 Tab (Q.C.)	76K1003	20.28
AC1-B0-34-610-131-D	3	1	10	Rocker	Push-On 0.250 Tab (Q.C.)	76K1004	24.34
AC1-B0-34-615-131-D	3	1	15	Rocker	Push-On 0.250 Tab (Q.C.)	76K1005	24.34
AC1-B0-34-620-131-D	3	1	20	Rocker	Push-On 0.250 Tab (Q.C.)	76K1006	24.34
AC1-B0-34-625-131-D	3	1	25	Rocker	Push-On 0.250 Tab (Q.C.)	76K1007	20.68
BA1-B034610121D	4	1	10	Handle	Stud 10-32, Threaded	81K0101	24.04
BA1-B0-34-615-121-D	4	1	15	Handle	Push-On 0.250 Tab (Q.C.)	76K1010	24.04
BA2-B0-34-610-121-D	5	2	10	Handle	Stud 10-32, Threaded	76K2878	61.42
BA2-B0-34-615-121-D	5	2	15	Handle	Push-On 0.250 Tab (Q.C.)	76K1014	61.02
CA1-B0-34-630-121-D	6	1	30	Handle	Stud 10-32, Threaded	76K1019	27.85
CA2-B0-34-620-121-D	7	2	20	Handle	Stud 10-32, Threaded	76K3880	101.89
CA2-B0-34-630-121-D	7	2	30	Handle	Stud 10-32, Threaded	76K1021	101.89

(2406)

SEALED MOUNT STEEL TOGGLE CIRCUIT BREAKERS



Quick Connect

Stud Terminals

Circuit breakers are designed for use in rugged environments where dust, water spray and splash may be present. The design features a steel bat style actuator/bushing which is mechanically fastened to a steel plate. This actuator/mounting bracket assembly is riveted to the front of the breaker providing a solid and operational interface for the end user. A silicon rubber seal surrounds the actuator effectively preventing water and dust ingress. When mounted to panel, the bracket is sealed by a captive O-ring located at the base of the bushing. The breaker features a vented case for arc egress, so is not designed for use where a totally sealed breaker is required, but it is effective as a sealed breaker in a panel.

TERMINATION: .250 QUICK CONNECT

Mfg. Part No.	Current (A)	Stock No.	Price Each		
			1-24	25-49	50-99
AM1-B0-34-615-101-C	15	83K9735	33.38	32.45	29.64

TERMINATION: 10/32 STUD TERMINALS

Mfg. Part No.	Current (A)	Stock No.	Price Each		
			1-24	25-49	50-99
CM1-B0-34-450-101-C	5	83K9739	30.28	30.28	30.28
CM1-B0-34-610-101-C	10	83K9740	75.61	56.62	51.87
CM1-B0-34-615-101-C	15	83K9741	36.33	36.33	36.33
CM1-B0-34-630-101-C	30	83K9744	75.61	56.62	51.87

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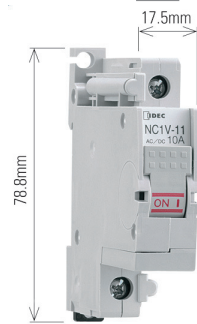
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1-POLE DIN-MOUNT MINIATURE CIRCUIT-BREAKERS



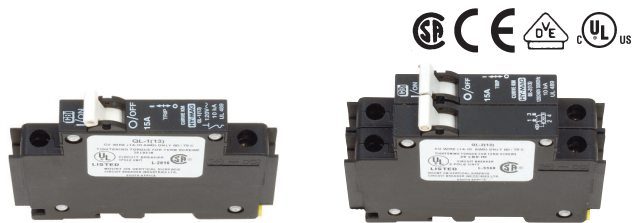
- Integrated electric shock protection structure (IP20)
- Meets UL1077 standard
- Rated voltage: 250VAC / 65VDC
- Rated short-circuit capacity: 2500A
- Max. trip time: 240 sec @ 125% rated current (medium time delay curve)
- Auxiliary/alarm contact terminals are equipped with terminal covers
- Spring-up, fingersafe terminals (ring terminals can also be installed w/ captive terminal screws)
- Retractable actuator
- Trip-free mechanism maintains the circuit open even when the operator is turned on after tripping
- Dimensions (H x W x D): 78.8 x 17.5 x 66 mm
- 2- and 3-pole versions, padlock attachments, panel mounting brackets and marking plates are also available; go online or call

SERIES TRIP (CURRENT TRIP)

Mfg. Part No.	Current	Auxiliary Contacts	Stock No.	Price Each			
				1-9	10-24	25-49	50+
NC1V-1100-0.1AA	100mA	None	69R8091	32.52	29.52	27.72	25.92
NC1V-1100-0.3AA	300mA	None	69R8094	24.95	22.73	22.73	21.24
NC1V-1100-0.5AA	500mA	None	69R8097	32.52	29.52	27.72	25.92
NC1V-1100-1AA	1A	None	69R8100	24.95	22.73	22.73	21.24
NC1V-1100-2AA	2A	None	69R8109	24.95	22.73	22.73	21.24
NC1V-1100-3AA	3A	None	69R8118	32.52	29.52	27.72	25.92
NC1V-1100-5AA	5A	None	69R8124	32.52	29.52	27.72	25.92
NC1V-1100-7AA	7A	None	69R8127	32.52	29.52	27.72	25.92
NC1V-1100-10AA	10A	None	69R8103	24.95	22.73	22.73	21.24
NC1V-1100-15AA	15A	None	69R8106	32.52	29.52	27.72	25.92
NC1V-1100-20AA	20A	None	69R8112	32.52	29.52	27.72	25.92
NC1V-1100-25AA	25A	None	69R8115	32.52	29.52	27.72	25.92
NC1V-1100-30AA	30A	None	69R8121	32.52	29.52	27.72	25.92
NC1V-1111-0.1AA	100mA	1	69R8156	54.20	49.20	46.20	43.20
NC1V-1111-0.3AA	300mA	1	69R8159	54.20	49.20	46.20	43.20
NC1V-1111-0.5AA	500mA	1	69R8162	54.20	49.20	46.20	43.20
NC1V-1111-1AA	1A	1	69R8165	33.34	33.34	33.34	33.34
NC1V-1111-2AA	2A	1	69R8174	54.20	49.20	46.20	43.20
NC1V-1111-3AA	3A	1	69R8183	54.20	49.20	46.20	43.20
NC1V-1111-5AA	5A	1	69R8189	54.20	49.20	46.20	43.20
NC1V-1111-7AA	7A	1	69R8192	54.20	49.20	46.20	43.20
NC1V-1111-10AA	10A	1	69R8168	54.20	49.20	46.20	43.20
NC1V-1111-15AA	15A	1	69R8171	54.20	49.20	46.20	43.20
NC1V-1111-20AA	20A	1	69R8177	54.20	49.20	46.20	43.20
NC1V-1111-25AA	25A	1	69R8180	54.20	49.20	46.20	43.20
NC1V-1111-30AA	30A	1	69R8186	41.59	37.88	37.88	35.40

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AC BRANCH RATED CIRCUIT BREAKERS



Single Pole

Double Pole

- 13mm width per pole
- Mounts on 35mm DIN rail
- Up to 25A

- 120/240 VAC, 50/60 Hz
- 4-28 sec trip time at 200%

TRIP CHARACTERISTICS

Value	125%	150%	200%	400%	600%	800%	1000%
Min (sec)	15	8	4	0.7	0.09	0.007	0.005
Max (sec)	300	90	28	4	1.5	0.6	0.4

AC branch rated circuit breakers are UL 489 listed, CSA C22.2 no. 5-02 certified, CE compliant, and VDE approved. Single pole dimensions (H x W x D): 92.8 x 13 x 74mm (3.65 x 0.51 x 2.91"). Double pole dimensions (H x W x D): 92.8 x 26 x 74mm (3.65 x 1.02 x 2.91"). Bus bar and trip curves available; go online or call.

CIRCUIT BREAKERS

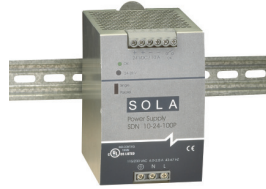
Mfg. Part No.	Current (A)	No. of Poles	Stock No.	Price Each			
				1-9	10-99	100-499	500-999
9926251000	0.5	1	21M4516	20.46	18.76	15.83	14.89
9926251001	1	1	62K2736	20.51	18.76	15.83	14.89
9926251002	2	1	62K2737	20.51	18.76	15.83	14.89

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DIN RAIL POWER SUPPLIES

SDN SERIES THREE PHASE DIN RAILS

NEW



- Easy to Mount and Connect
- High Efficiency (>90%)
- High MTBF and Reliability
- High Grade and Low Stress Design Components
- Short Circuit Protection
- Overvoltage and Over Temperature Protection
- Auto Select 115/230 VAC, 50/60 Hz Input
- Output voltage, 22.5-28.5V Adj.
- Ripple and noise, <50mVpp
- >20ms Hold-Up
- -10°C to 60°C With No Derating

Mfg. Part No.	Output Current (A)	Power (W)	Dimensions (in.)			Stock No.	Price Each
			H	W	D		
SDN5-24-480C	5	120	4.88	2.00	4.70	5678191	278.58
SDN10-24-480C	10	240	4.88	2.00	4.70	5678190	401.22
SDN20-24-480CC	20	480	4.85	2.40	4.70	73R7415	504.35
SDN40-24-480C	40	960	4.85	7.09	4.66	73R7416	753.43

REDUNDANCY MODULES — THREE PHASE SDN SERIES

Mfg. Part No.	For Use With	Stock No.	Price Each
SDN30/40 RED	SDN Series Models: SND5-24-480, SDN10-24-480, SDN20-24-480CC, SDN40-24-480C	39M5520	116.85

ACCESSORY

Mfg. Part No.	Description	Stock No.	Price Each
SDN-PMBRK2	Chassis Mount Bracket	68H8557	6.82

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SWITCHING POWER SUPPLIES



- Universal input: 7.5 to 75W: 85-264VAC/105-370VDC; 100W: 100-120VAC/200-240VAC, 240-370VDC (selectable); 120 to 240W: 85-264VAC/105-370VDC
- Unique spring-up, finger safe terminals (ideal for ring lug wire), IP20
- Power factor correction (75W, 120W, & 240W models)
- Voltage adjustment: +/-10%
- Output capabilities in 5VDC, 12VDC, or 24VDC
- Overcurrent/overvoltage protection
- DIN rail or panel surface mount
- Parallel operation: 75W, 120W and 240W model
- Worldwide approvals

Mfg. Part No.	Power (W)	Output Voltage (VDC)	Output Current (A)	Dimensions (H x W x D) mm	Stock No.	Price Each
PS5R-A05	7.5	5	1.5	75 x 45 x 70	31C9443	58.75
PS5R-A12	7.5	12	0.6	75 x 45 x 70	83F4500	58.75
PS5R-A24	7.5	24	0.3	75 x 45 x 70	83F4501	58.75
PS5R-B05	12.5	5	2.5	75 x 45 x 95	31C9444	88.11
PS5R-B12	15	12	1.2	75 x 45 x 95	83F4502	88.11
PS5R-B24	15	24	0.6	75 x 45 x 95	83F4503	88.11
PS5R-C12	30	12	2.5	75 x 90 x 95	83F4504	117.48
PS5R-C24	30	24	1.3	75 x 90 x 95	83F4505	117.48
PS5R-D24	50	24	2.1	75 x 90 x 95	83F4506	146.86
PS5R-Q24	75	24	3.1	120 x 85 x 140	92C3196	182.10
PS5R-E24	100	24	4.2	75 x 145 x 95	83F4507	211.47
PS5R-F24	120	24	5.0	120 x 115 x 140	72C3779	234.96
PS5R-G24	240	24	10.0	120 x 200 x 140	19C1265	346.57

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VALUE BRANDS

at Newark element14

Affordable, dependable options for your board, belt, box or bench.



(202246)

SLIM LINE POWER SUPPLIES



- Lightweight and compact in size
- Unique spring-up, finger safe terminals (ideal for ring lug wire)
- Power factor correction (60W to 240W)
- Overcurrent/overvoltage protection
- Voltage adjustment ±10%
- Universal input: 10W to 90W: 85-264VAC/100-370VDC; 120W and 240W: 85-264VAC/100-350VDC
- IP20 rating
- Voltage adjustment ±10%
- DIN rail or panel mount
- Meets SEMI F47 sag immunity (120W and 240W only)
- Class 1, Div. 2 hazardous locations (UL1604)

POWER SUPPLIES

Mfg. Part No.	Power Rating (W)	Output		H x W x D (mm)	Stock No.	Price Each		
		Voltage (VDC)	Current (A)			1-4	5-9	10-24
PS5R-SB05	10	5	2	90 x 22.5 x 95	37M1373	87.95	87.95	81.51
PS5R-SB12	15	12	1.2	90 x 22.5 x 95	37M1374	87.95	87.95	81.51
PS5R-SB24	15	24	0.65	90 x 22.5 x 95	37M1375	87.95	87.95	81.51
PS5R-SC12	30	12	2.50	95 x 36 x 108	84H1291	132.05	127.29	117.88
PS5R-SC24	30	24	1.30	95 x 36 x 108	84H1292	132.05	127.29	117.88
PS5R-SD24	60	24	2.50	95 x 36 x 108	78H0788	168.07	162.00	150.03
PS5R-SE24	90	24	3.75	115 x 46 x 121	70H8557	210.08	202.50	187.53
PS5R-SF24	120	24	5.00	115 x 50 x 129	08J5077	258.10	248.78	230.40
PS5R-SG24	240	24	10.00	125 x 80 x 143	08J5078	372.14	358.71	332.20

ACCESSORIES

Mfg. Part No.	Description	Stock No.	Price Each		
			1-24	25-49	50-99
PS9Z-5R1B	Vertical Panel Mounting Bracket for PS5R-SB models	37M1376	7.46	6.71	6.33
PS9Z-5R2B	Flat Panel Mounting Bracket for PS5R-SB	37M1379	14.92	13.41	12.66
PS9Z-5R1C	Panel Mounting Bracket for PS5R-SC and PS5R-SD models	19K6219	5.61	5.04	4.76

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S8VS VISUALLY MONITORING SWITCHING POWER SUPPLIES



- Ultra-Compact, DIN Mount Package
- Status at a Glance with 7-Segment LED Display
- Incorporates a Maintenance Forecast and Run-Time Monitor
- Three Year Warranty
- Meets UL508

Maintenance forecast monitor displays remaining life of power supply. Run-time monitor displays how long the output has been "ON". 90W and higher models have two outputs: one for undervoltage output and the other for either of the monitoring functions.

Mfg. Part No.	Description	Output Power (W)	Output Voltage (V)	Output Current (A)	Stock No.	Price Each
S8VS01505	Standard without indication monitor	10	5	2	57J2940	79.49
S8VS01512	Standard without indication monitor	15	12	1.2	57J3216	79.49
S8VS03005	Standard without indication monitor	20	5	4	64J4324	104.33
S8VS03012	Standard without indication monitor	30	12	2.5	27K5167	104.33
S8VS03024	Standard without indication monitor	30	24	1.3	27K5168	104.33
S8VS-06024	Standard without indication monitor	60	24	2.5	77C5986	134.14
S8VS-06024A	With maintenance forecast monitor	60	24	2.5	88K2002	144.08
S8VS-06024B	With total run time monitor	60	24	2.5	77C5988	131.08
S8VS-09024	Standard without indication monitor	90	24	3.75	88K2003	174.88
S8VS-09024A	With maintenance forecast monitor	90	24	3.75	88K2004	183.82
S8VS-09024B	With total run time monitor	90	24	3.75	77C5991	183.82
S8VS-12024	Standard without indication monitor	120	24	5	65H4902	281.28
S8VS-12024A	With maintenance forecast monitor	120	24	5	86H8287	294.36

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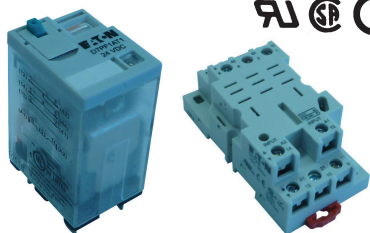
PLUG-IN/INDUSTRIAL RELAYS – SQUARE

D7 SERIES 15A GENERAL PURPOSE RELAYS

NEW



- Panel and DIN Rail mounting
- Bipolar LED status lamp allows for reverse polarity applications
- Shows coil ON or OFF
- Ideal in low light conditions



D7PF

Mfg. Part No.	Contact Configuration	Coil Voltage	Coil Resistance (Ω)	Stock No.	Price Each	
					1-49	1-49
D7PF1AA	SPDT	120VAC	3.83	40T8630	16.47	
D7PF1AT1	SPDT	24VAC	650	40T8631	16.47	
D7PF2AA	DPDT	120VAC	3.83	40T8632	17.12	
D7PF2AT1	DPDT	24VAC	650	40T8633	17.12	
D7PF3AA	3PDT	120VAC	2.77	40T8634	22.29	
D7PF3AT1	3PDT	24VAC	400	40T8635	22.29	
D7PF4AA	4PDT	120VAC	2.2	84R3839	26.59	
D7PF4AT1	4PDT	24VAC	388	40T8636	26.59	

ACCESSORIES

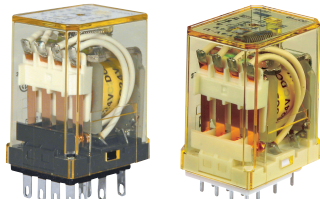
Mfg. Part No.	For Use With	Mounting Style	Stock No.	Price Each
D7PAA	D7PF1 & D7PF2	DIN Rail/Panel	46K6612	7.56
D7PAB	D7PF3	DIN Rail/Panel	53M5861	11.89
D7PAD	D7PF4	DIN Rail/Panel	40T8629	12.79

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5A GENERAL-PURPOSE RELAYS



- DPDT and 4PDT contact configurations
- Contact resistance: 50Ω
- Power consumption: 1.2VA (60Hz), 0.9W DC
- 0.110" solder/quick-connect or PC board terminals
- Options include indicator light, check button and top mounting bracket
- DIN socket, top mounting, PC board socket or panel mount socket



Solder/Plug-In

PC Board Terminals

RY series relays satisfy applications for low level switching needs such as pilot lights or logic level devices. Standard gold-plated contacts prevent contact oxidation from affecting circuit continuity. Temperature range: -22°F to +158°F. Operating time: 20 msec, max. UL recognized, CSA certified, CE compliant, TÜV approved.

AC COIL RELAYS, SOLDER/PLUG-IN TERMINALS

Mfg. Part No.	Contacts	Coil Voltage (VAC)	Coil Resist. (Ω)	Indicator Light	Stock No.	Price Each	
						1-24	25-49
RY2S-UAC24V	DPDT	24	300	N	48M0905	9.16	8.24
RY2KS-UAC120V	DPDT	120	3.84	N	16F314	28.07	26.56
RY2S-UAC120V	DPDT	120	8.1	N	66M8481	9.16	8.24
RY2S-UTAC120V	DPDT	120	8.1	N	31B3458	9.48	8.96
RY4S-UAC6V	4PDT	6	9.4	N	31B3500	10.40	9.84
RY4S-UAC24V	4PDT	24	153	N	74K3933	10.61	9.53
RY4S-ULAC24V	4PDT	24	153	Y	74K3938	13.31	11.96
RY4S-UAC110-120V	4PDT	120	4.29	N	74K3932	10.61	9.53
RY4S-ULAC110-120V	4PDT	120	4.29	Y	48M0907	13.31	11.96
RY4S-ULCAC110-120V	4PDT	120	4.29	Y	74K3939	15.87	14.28

AC COIL RELAYS, PC BOARD TERMINALS

RY4V-UAC110-120V	4PDT	120	4.29	N	74K3943	10.61	9.53
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DC COIL RELAYS, SOLDER/PLUG-IN TERMINALS

Mfg. Part No.	Contacts	Coil Voltage (VDC)	Coil Resist. (Ω)	Indicator Light	Stock No.	Price Each	
						1-24	25-49
RY2S-UDC12V	DPDT	12	188	N	66M8482	8.28	7.43
				N			
RY2S-ULDC24V	DPDT	24	750	Y	14M8233	10.97	9.86
RY2S-UDC24V	DPDT	24	750	N	48M0906	8.28	7.43
RY4S-UDC12V	4PDT	12	160	N	74K3935	8.72	7.84
RY4S-ULDC12V	4PDT	12	160	Y	74K3941	11.41	10.25
RY4S-ULDC24V	4PDT	24	650	Y	48M0908	11.41	10.25
RY4S-UDC24V	4PDT	24	650	N	74K3936	8.72	7.84
RY4S-ULDC24V*	4PDT	24	650	Y	74K3940	12.76	11.47

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5A GENERAL-PURPOSE RELAYS (CONT.)

DC COIL RELAYS, SOLDER/PLUG-IN TERMINALS

Mfg. Part No.	Contacts	Coil Voltage (VAC)	Coil Resist. (Ω)	Indicator Light	Stock No.	Price Each	
						1-24	25-49
RY4S-UDC100-110V	4PDT	110	12.25	N	74K3934	9.58	9.05
RY4S-ULDC100-110V	4PDT	110	12.25	Y	75K1428	12.18	11.51

DC COIL RELAYS, PC BOARD TERMINALS

RY4V-UDC12V	4PDT	12	160	N	96F3988	8.42	7.95
RY4V-UDC24V	4PDT	24	650	N	74K3944	8.42	7.95

*Includes check button

SOCKETS AND ACCESSORIES

Mfg. Part No.	Description	Stock No.	Price Each	
			1-49	50-99
SY2S-05	2-Pole Standard DIN Rail Mount Socket	13M3019	5.52	4.99
SY2S-02F1	Hold-Down Spring for Use with SY2S-05	96F6503	0.32	0.27
SY2S-05C	2-Pole Finger-Safe DIN Rail Mount Socket	13M3020	6.67	6.03
SY2S-61	2-Pole PC Board Mount Socket	13M3021	1.49	1.35
SY4S-05	4-Pole Standard DIN Rail Mount Socket	13M3022	9.44	8.53
SY4S-05C	4-Pole Finger-Safe DIN Rail Mount Socket	13M3023	11.28	10.19
SY4S-02F1	Hold-Down Spring for Use with SY4S-05, -05C	96F6504	0.32	0.27
SY4S-51	2-Pole Panel Mount Socket	13M3024	1.40	1.28
SY4S-61	2- or 4-Pole PC Board Mount Socket	13M3025	1.49	1.35
SY4S-51F1	Hold-Down spring for Use with SY4S-51, 61	96F6507	0.30	0.25
SY4S-62	2- or 4-Pole PC Board Mount Socket	13M3026	1.49	1.35
SFA-202	Hold-Down Clip with Top Notch, for Use with SY2S-05C and SY4S-05C	16F5300	0.32	0.27
SFA-302	Hold-Down Clip with Top Notch, for Use with SY2S-51, 61 and SY4S-51, 61	16F5301	0.23	0.19
BNDN1000	35mm 1 Meter Low-Profile Aluminum DIN Rail with Holes	96F6501	7.31	6.56
BNL-5	DIN Rail Metal End Clip	66M8411	1.53	1.03

(4015)

6-10A GENERAL-PURPOSE RELAYS



- No solder points or internal wires, for high reliability
- No lead, cadmium-free contacts
- AC or DC coil
- 14-blade solder tab/plug-in base
- Mechanical flag indicator
- LED indicator, green non-polarized
- Snap-on marking plate
- Color-coded manual latching lever
- IP40 protection



Contact material is silver tin oxide indium for 2-pole relays and gold-silver alloy on silver for 4-pole relays. Contact resistance: 50Ω max. Operating and release time: 20 msec max. Power consumption: 1.1—1.4VA (AC); 0.9—1.0W (DC). Operating temperature: -55° to +70°C. Items with "C" in the mfg. part no. are without check button. Relays with momentary check button also available go online or call

10A RELAYS WITH DPDT CONTACTS

Mfg. Part No.	Coil Voltage	Coil Resist. (Ω)	Stock No.	Price Each			
				1-24	25-49	50-99	100-249
RU2S-A24	24VAC	164	31C6507	9.44	9.44	8.91	8.67
RU2S-A110	110VAC	4550	31C6506	8.96	8.23	7.82	7.49
RU2S-C-A110	110VAC	4550	84C6295	9.88	9.07	8.62	8.28
RU2S-A220	220VAC	18230	84C6294	11.16	10.25	9.74	9.33
RU2S-D12	12VDC	160	84C6302	7.62	7.62	7.20	7.20
RU2S-D24	24VDC	605	31C6508	7.46	6.85	6.51	6.24
RU2S-C-D24	24VDC	605	84C6300	7.02	6.45	6.13	5.87

6A RELAYS WITH 4PDT CONTACTS

RU4S-A24	24VAC	164	18C3889	10.43	9.58	9.10	8.73
RU4S-C-A24	24VAC	164	84C6306	10.01	9.20	8.74	8.38
RU4S-A110	110VAC	4550	18C3890	10.43	9.58	9.10	8.73
RU4S-C-A110	110VAC	4550	84C6304	10.01	9.20	8.74	8.38
RU4S-D12	12VDC	160	84C6311	8.63	7.92	7.53	7.22
RU4S-C-D12	12VDC	160	84C6308	8.38	8.38	7.92	7.92
RU4S-D24	24VDC	605	18C3884	8.63	7.92	7.53	7.22
RU4S-C-D24	24VDC	605	84C6309	8.21	7.55	7.17	6.87

SOCKETS AND ACCESSORIES

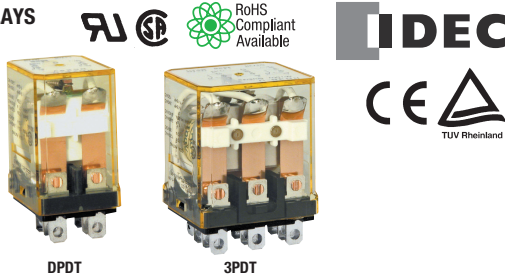
Mfg. Part No.	Description	Stock No.	Price Each			
			1-49	50-99	100-249	250-499
SM2S-05	2-Pole Standard DIN Rail Mount Socket	13M2873	6.00	5.43	5.06	4.72
SY4S-05	4-Pole Standard DIN Rail Mount Socket	13M3022	9.44	8.53	7.96	7.42
SY4S-05C	4-Pole Finger-Safe DIN Rail Mount Socket	13M3023	11.28	10.19	9.50	8.86
SY4S-51	2-Pole Panel Mount Socket	13M3024	1.40	1.28	1.18	1.10
SY4S-61	2- or 4-Pole PC Board Mount Socket	13M3025	1.49	1.35	1.26	1.17

CONTINUED

6-10A GENERAL-PURPOSE RELAYS (CONT.)

Mfg. Part No.	Description	Stock No.	Price Each			
			1-49	50-99	100-249	250-499
● SY4S-62	2- or 4-Pole PC Board Mount Socket	13M3026	1.49	1.35	1.26	1.17
● SY4S-02F1	Springs and Clips for Use with SY4S-05, -05C, SM2S-05, -05C	96F6504	0.28	0.27	0.25	0.24
● SFA-202		16F5300	0.28	0.27	0.25	0.24
● SY4S-51F1		96F6507	0.26	0.25	0.23	0.22
● SFA-302	Springs and Clips for Use with SY4S-51, 61	16F5301	0.20	0.19	0.18	0.17
● BNDN1000		96F6501	7.31	6.56	6.28	5.85
● BNL-5	35mm 1 Meter Low-Profile Aluminum DIN Rail	66M8411	1.53	1.03	1.03	1.03
(59286)	DIN Rail End Clip					

10A POWER RELAYS



RH series power relays feature a 10-amp capacity. Silver cadmium-oxide contacts have 50mΩ initial contact resistance. Operating time: 20 msec. max. (SPDT/DPDT); 25 msec. max. (3PDT/4PDT). Solder or PC terminals. Temperature range: -22°F to +158°F.

Case Dimensions

Contacts	Length (in)	Width (in)	Height (in)
SPDT	1.082	0.551	1.401 max.
DPDT		0.826	
3PDT		1.220	
4PDT		1.614	

AC COIL RELAYS

Mfg. Part No.	Contacts	Coil Volt. (VAC)	Mounting Style	Coil Resist. (Ω)	Stock No.	Price Each	
						1-9	10-24
● RH1B-UAC12V	SPDT	12	Solder/Plug-In	165	31B2952	10.28	9.06
● RH1B-UAC24V	SPDT	24	Solder/Plug-In	83	14M8187	9.77	9.77
● RH1B-UAC120V	SPDT	120	Solder/Plug-In	16.5	66M8459	9.77	9.77
● RH1B-UTAC120V	SPDT	120	Top Flange	16.5	15M1940	9.44	9.44
● RH2B-UAC12V	DPDT	12	Solder/Plug-In	39.3	14M8198	10.05	10.05
● RH2B-UAC24V	DPDT	24	Solder/Plug-In	153	66M8465	10.03	10.03
● RH2B-UTAC24V	DPDT	24	Top Flange	153	14M8210	10.70	10.70
● RH2B-UAC110-120V	DPDT	120	Solder/Plug-In		66M8464	10.03	10.03
● RH2B-UTAC110-120V	DPDT	120	Top Flange		66M8469	10.70	10.70
● RH2B-UAC220-240V	DPDT	240	Solder/Plug-In	18.82	31B2971	11.58	11.58
● RH3B-UAC120V	3PDT	120	Solder/Plug-In	10.8	66M8471	13.00	13.00
● RH3B-UAC240V	3PDT	240	Solder/Plug-In	12.1	31B3040	14.65	14.65
● RH4B-UAC24V	4PDT	24	Solder/Plug-In	84.5	14M8223	15.74	15.74
● RH4B-UAC120V	4PDT	120	Solder/Plug-In	7.36	96F3962	15.74	15.74
● RH4B-UTAC120V	4PDT	120	Top Flange	7.36	14M8230	15.84	15.84

AC COIL RELAYS w/INDICATOR LIGHT

● RH1B-ULAC120V	SPDT	120	Solder/Plug-In	16.5	66M8462	12.45	12.45
● RH1B-ULAC24V	SPDT	24	Solder/Plug-In	83	88H2686	11.69	10.31
● RH2B-ULAC24V	DPDT	24	Solder/Plug-In	153	14M8205	12.70	12.70
● RH2B-ULCAC24V	DPDT	24	Solder/Plug-In	153	31B2989	14.09	14.09
● RH2B-ULCAC110-120V	DPDT	120	Solder/Plug-In		48M0903	14.02	14.02
● RH2B-ULAC110-120V	DPDT	120	Solder/Plug-In		66M8467	12.70	12.70
● RH3B-ULAC24V	3PDT	24	Solder/Plug-In	103	66M8475	16.38	16.38
● RH3BULCAC120V	3PDT	120	Solder/Plug-In	10.8	16F299	17.39	17.39
● RH3B-ULAC120V	3PDT	120	Solder/Plug-In	10.8	66M8474	15.72	15.72
● RH4B-ULAC24V	4PDT	24	Solder/Plug-In	84.5	14M8227	18.43	18.43
● RH4B-ULCAC120V	4PDT	120	Solder/Plug-In	7.36	16P8992	20.49	20.49
● RH4B-ULAC120V	4PDT	120	Solder/Plug-In	7.36	96F3967	18.34	18.34
● RH4B-ULAC240V	4PDT	240	Solder/Plug-In	9.12	31B3098	20.01	20.01

DC COIL RELAYS

Mfg. Part No.	Contacts	Coil Volt. (VDC)	Mounting Style	Coil Resist. (Ω)	Stock No.	Price Each	
						1-9	10-24
● RH1B-UDC6V	SPDT	6	Solder/Plug-In	47	19P2783	8.98	7.92
● RH1B-UDC12V	SPDT	12	Solder/Plug-In	188	66M8460	8.90	8.90
● RH1B-UTDC12V	SPDT	12	Top Flange	188	14M8193	8.45	8.45
● RH1V2-UDC12V	SPDT	12	PC Board	188	14M8195	9.21	9.21
● RH1B-UDC24V	SPDT	24	Solder/Plug-In	750	66M8461	8.90	8.90

▶ CONTINUED ▶

10A POWER RELAYS (CONT.)

Mfg. Part No.	Contacts	Coil Volt. (VAC)	Mounting Style	Coil Resist. (Ω)	Stock No.	Price Each	
						1-9	10-24
● RH1B-UTDC24V	SPDT	24	Top Flange	750	14M8194	9.99	9.99
● RH2B-UDC12V	DPDT	12	Solder/Plug-In	160	66M8466	9.44	9.44
● RH2B-UTDC12V	DPDT	12	Top Flange	160	14M8211	10.98	10.98
● RH2B-UDC-24V	DPDT	24	Solder/Plug-In	650	30H4934	9.49	9.49
● RH2B-UTDC24V	DPDT	24	Top Flange	650	66M8470	10.98	10.98
● RH2V2-UDC24V	DPDT	24	PC Board	650	15M1942	9.81	9.81
● RH2B-UDC48V	DPDT	48	Solder/Plug-In	2.6	31B2981	9.49	9.49
● RH2B-UDC100-110V	DPDT	110	Solder/Plug-In	12.25	14M8201	10.98	10.98
● RH3B-UDC12V	3PDT	12	Solder/Plug-In	100	14M8216	12.40	12.40
● RH3B-UDC24V	3PDT	24	Solder/Plug-In	400	66M8473	12.40	12.40
● RH3B-UDC110V	3PDT	110	Solder/Plug-In	8.6	14M8215	14.17	14.17
● RH4B-UDC12V	4PDT	12	Solder/Plug-In	96	66M8476	15.31	15.31
● RH4B-UDC24V	4PDT	24	Solder/Plug-In	388	66M8477	15.31	15.31
● RH4B-UDC48V	4PDT	48	Solder/Plug-In	1.55	66M8478	15.94	15.94

DC COIL RELAYS w/INDICATOR LIGHT

● RH1B-ULDC24V	SPDT	24	Solder/Plug-In	750	66M8463	11.58	11.58
● RH1B-ULDC12V	SPDT	12	Solder/Plug-In	188	57J6027	12.70	11.20
● RH2B-ULDC12V	DPDT	12	Solder/Plug-In	160	66M8468	12.11	12.11
● RH2B-ULDC24V	DPDT	24	Solder/Plug-In	650	19P2785	12.11	12.11
● RH2B-ULCDC24V	DPDT	24	Solder/Plug-In	650	31B2993	13.50	13.50
● RH3B-ULDC12V	3PDT	12	Solder/Plug-In	100	14M8220	15.76	15.76
● RH3B-ULDC24V	3PDT	24	Solder/Plug-In	400	96F3956	15.12	15.12
● RH4B-ULDC12V	4PDT	12	Solder/Plug-In	96	14M8228	17.97	17.97
● RH4B-ULDC24V	4PDT	24	Solder/Plug-In	388	14M8229	17.97	17.97
● RH1B-ULCDC12V	SPDT	12	Solder/Plug-In	188	29K8733	12.47	11.78
● RH1B-ULCPC24V	SPDT	24	Solder/Plug-In	750	29K8737	13.03	11.49
● RH2B-ULCPC12V	DPDT	12	Solder/Plug-In	160	31B2992	13.47	13.47

SOCKETS

Mfg. Part No.	For Use With Relay Series	Description	Stock No.	Price Each		
				1-49	50-99	100-249
● SH1B-05	RH1B	1-Pole Standard DIN Rail Mount	13M2859	5.52	4.99	4.66
● SH1B-05C	RH1B	1-Pole Finger-Safe DIN Rail Mount	13M2860	6.67	6.03	5.62
● SH1B-51	RH1B	1-Pole Through Panel-Mount	96F3996	1.31	1.23	1.16
● SH1B-62	RH1B	2-Pole PC Board Mount	13M2861	1.49	1.35	1.26
● SH2B-02	RH2B	2-Pole Surface-Mount	26M8309	6.87	6.21	5.79
● SH2B-05	RH2B	2-Pole Standard DIN Rail Mount	13M2862	6.87	6.21	5.79
● SH2B-05C	RH2B	2-Pole Finger-Safe DIN Rail Mount	13M2863	8.25	7.46	6.95
● SH2B-51	RH2B	2-Pole Through Panel-Mount	96F3997	1.63	1.47	1.37
● SH2B-62	RH2B	2-Pole PC Board Mount	13M2864	1.65	1.49	1.39
● SH3B-05	RH3B	3-Pole Standard DIN Rail Mount	13M2865	7.49	6.77	6.32
● SH3B-05C	RH3B	3-Pole Finger-Safe DIN Rail Mount	13M2866	8.96	8.10	7.55
● SH3B-62	RH3B	3-Pole PC Board Mount	13M2867	1.72	1.56	1.45
● SH4B-05	RH4B	4-Pole Standard DIN Rail Mount	13M2868	9.71	8.78	8.19
● SH4B-05C	RH4B	4-Pole Finger-Safe DIN Rail Mount	13M2869	11.71	10.58	9.87
● SH4B-51	RH4B	4-Pole Through Panel-Mount	13M2870	1.88	1.76	1.66
● SH4B-62	RH4B	4-Pole PC Board Mount	13M2871	2.25	2.03	1.90

HOLD-DOWN SPRINGS

Mfg. Part No.	For Use With Socket Series	Stock No.	Price Each			
			1-24	25-49	50-99	100-249
● SY2S-02F1	All SH_B-05, 05C	96F6503	0.32	0.28	0.27	0.25
● SY4S-51F1	All SH_B-51, 62	96F6507	0.30	0.26	0.25	0.23
● SY4S-02F1	SH2B-05, 05C	96F6504	0.32	0.28	0.27	0.25
● SH3B-05F1	SH3B-05, 05C	96F6505	0.45	0.40	0.38	0.35
● SH4B-02F1	SH4B-05, 05C	96F6506	0.45	0.40	0.38	0.35

CLIPS

● SFA-101	All SH_B-05, 05C	68H3042	0.45	0.40	0.38	0.35
● SFA-202	All SH_B-05, 05C	16F5300	0.32	0.28	0.27	0.25
● SFA-302	All SH_B-51, 62	16F5301	0.23	0.20	0.19	0.18

COMBINATION I/O MODULES

(59414)	● FC4A-M24BR2	MicroSmart Series PLCs	35C2512	309.72
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PLUG-IN/INDUSTRIAL RELAYS – SQUARE

10A GENERAL-PURPOSE POWER RELAYS

- High reliability and long service life
- DPDT or 3PDT pure silver contacts
- 11-blade plug-in terminals
- Options include check button for test operation and indicator light
- Mounting options include flange mounting, DIN socket, or panel mount socket



Contact material is silver. Operating time: 25ms. Release time: 25ms. Temperature range: -30°C to +70°C. Socket ordered separately, below. UL recognized, CSA certified.

AC COIL

Mfg. Part No.	Contacts	Coil Voltage	Coil Resist. (Ω)	Indicator Light	Stock No.	Price Each		
						1-9	10-24	25-49
● RR2BA-UAC24V	DPDT	24VAC	79	N	91F5550	14.55	12.99	12.29
● RR2BA-UAC120V	DPDT	120VAC	2100	N	91F5551	13.97	12.49	11.81
● RR3B-UAC24V	3PDT	24VAC	79	N	91F5557	13.75	12.85	12.16
● RR3B-ULAC24V	3PDT	24VAC	79	Y	91F5561	16.29	15.23	14.39
● RR3B-USAC24V	3PDT	24VAC	79	N	31B3342	17.18	15.36	14.52
● RR3B-UAC120V	3PDT	120VAC	2100	N	91F5558	15.16	13.55	12.80
● RR3B-ULAC120V	3PDT	120VAC	2100	Y	91F5562	17.93	16.02	15.16

DC COIL

Mfg. Part No.	Contacts	Coil Voltage	Coil Resist. (Ω)	Indicator Light	Stock No.	Price Each		
						1-9	10-24	25-49
● RR2BA-UDC12V	DPDT	12VDC	100	N	91F5552	12.77	11.42	10.80
● RR2BA-ULDC24V	DPDT	24VDC	400	Y	88F1414	15.98	14.95	14.11
● RR2BA-USDC24V	DPDT	24VDC	400	N	31B3244	13.41	12.52	11.84
● RR3B-UDC12V	3PDT	12VDC	100	N	66M8480	14.08	12.53	11.85
● RR3B-ULDC12V	3PDT	12VDC	100	Y	91F5563	16.75	15.64	14.79
● RR3B-UDC24V	3PDT	24VDC	400	N	91F5560	14.08	12.53	11.85
● RR3B-ULDC24V	3PDT	24VDC	400	Y	91F5564	16.87	15.01	14.20
● RR3B-ULDC110V	3PDT	110VDC	8460	Y	31B3337	18.97	16.95	16.03

SOCKETS AND ACCESSORIES

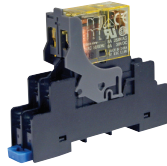
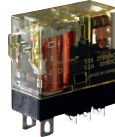
Mfg. Part No.	For Use With Relay Series	Description	Stock No.	Price Each		
				1-49	50-99	100-249
● SR3B-05	RR1BA, RR2BA, RR3B	2- or 3-Pole Standard DIN Rail Mount Socket	13M2994	7.90	7.16	6.66
● SR3B-51	RR1BA, RR2BA, RR3B	2- or 3-Pole Panel Mount Socket	17M8212	1.70	1.55	1.43
● SR3B-02F1	RR1BA, RR2BA, RR3B	Hold-Down Spring for Use with SR3B-05, SR3B-51	91F6258	0.45	0.38	0.35
● BNDN1000	All	35mm 1 Meter Low-Profile Aluminum DIN Rail with Holes	96F6501	6.92	6.56	6.28
● BNL-5	All	DIN Rail Metal End Clip	66M8411	1.16	1.03	1.03

(85525)

8-12A POWER RELAYS



- Compact housing only 12.7 mm wide
- Large contact rating: RJ1 (1-pole) 16A (UL general use rating@250V AC), RJ2 (2-pole) 8A
- Non-polarized LED indicator available on blade type. IDEC unique light guide structure enables high visibility of coil status from and direction
- Excellent electrical and mechanical life
- Electrical life: 200,000 operations (AC load)
- Mechanical life: 30 million operations (AC coil)
- RoHS directive compliant (EU directive 2002/95/EC). Contains no lead, cadmium, mercury, hexavalent chromium, PBB or PBDE.
- Diode model: Diode reverse withstand voltage: 1000V
- UL recognized, CSA certified, EN compliant



Relay

Socket

RJ series relays are available with optional green, non-polarized LED that provides enhanced visibility of power status from multiple directions. Unique light guide makes status indicator brighter and more noticeable. Compact blade relay saves space when used with compatible SJ series sockets. Using RJ series relay and SJ series socket, reduce DIN width mounting by 30 percent when compared to standard 2-pole relays. UL recognized, CSA certified, VDE approved, and CE marked in compliance with IEC 61810-1. 240V also available, go online or call.

8A DPDT CONTACTS

Mfg. Part No.	Coil Voltage	Coil Resist. (Ω)	Indicator Light	Stock No.	Price Each		
					1-24	25-49	50-99
● RJ2S-C-A24	24VAC	243	No	33K1051	6.50	6.14	6.14
● RJ2S-CL-A24	24VAC	243	Yes	33K1057	11.80	10.50	10.01
● RJ2S-C-A120	120VAC	6.4	No	33K1050	8.24	7.34	7.00
● RJ2S-CL-A120	120VAC	6.4	Yes	33K1056	11.55	10.28	9.79
● RJ2S-C-A240	240VAC	25.57	No	33K1052	10.99	9.78	9.33
● RJ2S-C-D12	12VDC	271	No	33K1054	5.89	5.24	5.00
● RJ2S-CL-D12	12VDC	271	Yes	33K1060	11.08	9.86	9.40
● RJ2S-C-D24	24VDC	1.08	No	33K1055	5.63	5.01	4.78
● RJ2S-CD-D24*	24VDC	1.08	No	01N5249	7.32	6.71	6.13

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8-12A POWER RELAYS (CONT.)

Mfg. Part No.	Coil Voltage	Coil Resist. (Ω)	Indicator Light	Stock No.	Price Each		
					1-24	25-49	50-99
● RJ2S-CL-D24	VDC	1.08	Yes	33K1061	10.12	9.01	8.59
● RJ2S-CLD-D24*	24VDC	1.08	Yes	01N5250	12.29	11.28	10.31

12A SPDT CONTACTS

● RJ1S-C-A24	24VAC	243	No	33K1039	6.91	6.16	5.86
● RJ1S-CL-A24	24VAC	243	Yes	33K1045	8.03	7.59	7.37
● RJ1S-C-A120	120VAC	6.4	No	33K1038	6.96	6.19	5.90
● RJ1S-CL-A120	120VAC	6.4	Yes	33K1044	10.29	9.17	8.73
● RJ1S-C-A240	240VAC	25.57	No	33K1040	9.29	8.78	8.53
● RJ1S-C-D12	12VDC	271	No	33K1042	4.99	4.66	4.44
● RJ1S-CL-D12	12VDC	271	Yes	33K1048	7.16	6.76	6.57
● RJ1S-C-D24	24VDC	1.08	No	33K1043	4.79	4.28	4.06
● RJ1S-CD-D24*	24VDC	1.08	No	01N5247	5.71	5.33	5.33
● RJ1S-CL-D24	24VDC	1.08	Yes	33K1049	7.77	6.92	6.59
● RJ1S-CLD-D24*	24VDC	1.08	Yes	01N5248	8.31	8.31	7.02

RELAY SOCKETS

Mfg. Part No.	For Use With	Mounting	Termination	Stock No.	Price Each	
					1-49	50-99
● SJ1S-61	Idem RJ1S Relays	PCB Mount	Through Hole	01N5251	1.77	1.61

ACCESSORIES

Mfg. Part No.	Description	Stock No.	Price Each		
			1-9	10-24	25+
● SJ9Z-JF10	10 pole jumper for SJ screw terminal socket	01N5253	2.68	2.68	2.53
● BNDN1000	1m DIN Rail	96F6501	7.31	6.92	6.92
● BNL-5	DIN Rail End Stop	66M8411	1.53	1.26	1.16

* Contains surge suppression diode (84845)

5 A MINIATURE GENERAL PURPOSE RELAYS HY SERIES



- Arc barriers prevent flashover between contacts
- Manual operator for circuit testing with latch facility colour coded for AC/DC identification
- Mechanical flag indicator showing armature operation
- LED indicators showing coil energisation
- Max. switching voltage AC/DC: 250 V
- Ambient operating temperature: -55°C to 70°C
- Power consumption: 1.2 VA AC : 0.9 W DC



Mfg. Part No.	Coil Voltage	Coil Resist. (ohm)	Stock No.	Price Each
				1-24
● HY41PN12DC	12 VDC	160	74R1597	6.22
● HY41PN24DC	24 VDC	650	75R7554	7.46
● HY41PN24AC	24 VAC	184	74R1599	7.46
● HY41PN110AC	110 VAC	4.55	74R1596	7.02
● HY41PN230AC	230 VAC	14.4	74R1598	7.74

ACCESSORIES

Mfg. Part No.	Description	Voltage Rating	Stock No.	Price Each
				1-24
● SRN4-C	RELAY SOCKET	300	74R1601	4.69
● SRN4-D	RELAY SOCKET	300	74R1602	4.08

(177868)

NEW PRODUCTS ADDED DAILY

See the newest products, technologies and suppliers on our website.

(196562)

PLUG-IN/INDUSTRIAL RELAYS – SQUARE • PLUG-IN/INDUSTRIAL RELAYS – OCTAL

P&B 25A POWER RELAYS (CONT.)

DC COIL WITH MAGNETIC BLOWOUT

Mfg. Part No.	Contacts	Coil Voltage (VAC)	Contact Current (A)	Coil Resist. Ω	Stock No.	Price Each	
						1-24	25-49
● PRD-11DJ0-24	DPDT	24	20	288	29M9958	45.12	39.61
● PRD-11DHO-110	DPDT	110	20	6.05 kohm	29M9957	42.24	37.34

* 0.250" (6.35mm) Quick-connect termination. (3288)

2A ENCLOSED CURRENT ACTUATED RELAYS



Specifications:

- Contact ratings: 2A at 120VAC
- Contact material: Silver
- Expected life: 15million operations
- Mechanical life: 100,000 operations
- Initial insulation resistance: 1000MΩ
- Operating temperature: -45°C to +70°C
- DC current sensitive relay
- Enclosed in a clear polycarbonate dust cover
- Operates on 125mW per movable arm
- 8--pin octal-style plugs

Mfg. Part No.	Current (A)	Contact Voltage (VAC)	Contacts	Coil Resist. (Ω)	Stock No.	Price Each
						1-24
● KCP-5-2500	2	120	SPDT	2.5	24F489	104.55

(14212)

D15 SERIES GENERAL PURPOSE RELAYS



Features:

- For plug-in sockets, 35 mm DIN rail mount, or on panel mounting
- Cadmium - free contacts - relays D15 2C/0, D15 3C/0
- W7: mechanical indicator + lockable front test button
- Relays may be provided with the test buttons type P (no latching) and plugs

Specifications:

- Max. inrush current: 20A
- Rated current: 10A
- Max. breaking capacity: 2500VA
- Resistance: less than 100milliohms
- Max. operating frequency (at rated load): 1200 cycle per second



DC COIL VERSION

Mfg. Part No.	Carry Current (A)	Contacts	Coil Voltage (VDC)	Coil Resist. (Ω)	Stock No.	Price Each
						1-9
● D15-2012-23-1024-WTL	10	DPST-CO	24	430	78M6804	9.58
● D15-2013-23-1012-WTL	10	3PST-CO	12	110	78M6808	14.52

AC COIL VERSION

Mfg. Part No.	Carry Current (A)	Contacts	Coil Voltage (VAC)	Coil Resist. (Ω)	Stock No.	Price Each
						1-9
● D15-2012-23-5024-WTL	10	DPST-CO	24	75	78M6806	8.31
● D15-2013-23-5120-WTL	10	3PST-CO	120	1.91	78M6812	9.82

RELAY SOCKETS

Mfg. Part No.	Current (A)	For Use With	Mounting	Termination	Stock No.	Price Each
						1-9
● DZ8	10	D15 Series, DPDT Relays	DIN Rail / Panel	Screw	78M6803	5.34
● DZ11	10	D15 Series, 3PDT Relays	DIN Rail / Panel	Screw	78M6801	6.80

ACCESSORIES

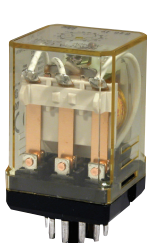
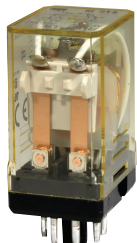
Mfg. Part No.	Description	Stock No.	Price Each
			1-9
● DZ11-0031	Clip, for use with: DZ8 & DZ11 Relay Sockets	78M6802	0.32

(107905)

10A GENERAL-PURPOSE RELAYS



- High reliability and long service life
- DPDT or 3PDT pure silver contacts
- Available with octal 8-pin and 11-pin terminals
- Worldwide approvals on octal models
- Options include check button for test operation and indicator light
- Mounting options include DIN socket, or panel mount socket



8-Pin

11-Pin

Contact material is silver. Operating time: 25ms. Release time: 25 ms. Temperature range: -25°F to +158°F for non-latching relays, -30°C to +70°C for dual-coil latching relays. Mount into standard 8- or 11-pin octal sockets. Sockets ordered separately, below. UL recognized, CSA certified, CE compliant, TUV approved.

➔ CONTINUED ➔

8-PIN TERMINATION

Mfg. Part No.	Contacts	Coil Voltage	Coil Resist. (Ω)	Indicator Light	Stock No.	Price Each		
						1-9	10-24	25-49
RR2P-UAC24V	DPDT	24VAC	79	N	91F5535	16.86	15.08	14.31
RR2P-ULAC24V	DPDT	24VAC	79	Y	91F5539	19.53	17.46	16.56
RR2P-UAC120V	DPDT	120VAC	2100	N	91F5536	16.86	15.08	14.31
RR2P-ULAC120V	DPDT	120VAC	2100	Y	91F5540	19.53	17.46	16.56
RR2P-UDC12V	DPDT	12VDC	100	N	91F5537	17.31	15.47	14.67
● RR2P-ULDC12V	DPDT	12VDC	100	Y	91F5541	19.99	17.87	16.95
RR2P-UDC24V	DPDT	24VDC	400	N	91F5538	16.58	14.83	14.06
RR2P-ULDC24V	DPDT	24VDC	400	Y	91F5542	19.17	17.13	16.25

11-PIN TERMINATION

Mfg. Part No.	Contacts	Coil Voltage	Coil Resist. (Ω)	Indicator Light	Stock No.	Price Each		
						1-9	10-24	25-49
RR3PA-UAC120V	3PDT	120VAC	2100	N	91F5544	20.55	18.38	17.43
RR3PA-ULAC120V	3PDT	120VAC	2100	Y	91F5548	23.22	20.76	19.69
RR3PA-UDC12V	3PDT	12VDC	100	N	91F5545	21.28	19.02	18.04
RR3PA-UDC24V	3PDT	24VDC	400	N	91F5546	21.28	19.02	18.04
● RR3PA-ULDC24V	3PDT	24VDC	400	Y	16F309	23.07	20.63	19.56

11-PIN TERMINATION, DUAL-COIL LATCHING

Mfg. Part No.	Contacts	Coil Voltage	Coil Resist. (Ω)	Indicator Light	Stock No.	Price Each		
						1-9	10-24	25-49
RR2KP-UAC120V	DPDT	120VAC	2200	N	16F306	34.77	31.08	29.48
RR2KP-UDC12V	DPDT	12VDC	100	N	16F308	34.16	30.55	28.97
RR2KP-UDC24V	DPDT	24VDC	400	N	91F5566	34.16	30.55	28.97

SOCKETS AND ACCESSORIES

Mfg. Part No.	For Use With Relay Series	Description	Stock No.	Price Each	
				1-49	50-99
● SR3P-05	RR3PA, RR2KP	2-Pole Snap DIN Rail Mount Socket	13M2996	7.49	6.77
● SR3P-06	RR3PA, RR2KP	2-Pole Snap DIN Rail Mount Socket	18M9335	7.90	7.16
● SR3P-05C	RR3PA, RR2KP	2-Pole Finger-Safe DIN Rail Mount Socket	13M2997	9.48	8.57
● SR3P-51	RR3PA, RR2KP	2-Pole Panel Mount Socket	13M2998	1.48	1.38
● SR2P-51	RR2P	2-Pole Panel Mount Socket	13M2992	1.35	1.28
● SR2P-05	RR2P	2-Pole Standard DIN Rail Mount Socket	13M2990	4.95	4.48
● SR2P-05C	RR2P	2-Pole Finger-Safe DIN Rail Mount Socket	14M8237	5.98	5.41
● SR2P-06	RR2P	2-Pole Standard DIN Rail Mount Socket	13M2991	4.95	4.48
● SR2B-02F1	RR2P	Hold-Down Spring for Use with SR2P-05, -05C, -06	31B3692	0.25	0.21
● SR3B-02F1	RR3PA	Hold-Down Spring for Use with SR3B-05, SR3B-51	91F6258	0.45	0.38
● BNDN1000	All	35mm 1 Meter Low-Profile Aluminum DIN Rail with Holes	96F6501	7.31	6.56
● BNL-5	All	DIN Rail Metal End Clip	66M8411	1.53	1.03

(14527)

MAGNECRAFT 16A MAGNETIC LATCHING RELAYS



755 Octal Relay:

- 16A
- DPDT
- 11-pin octal base
- Dimensions: 1.37"H x 1.37"W x 2.33"L
- UL recognized file no. E43641, CSA certified
- Mates with socket mfg. part no. 70-465-1, 70-750DL11-1 and 70-750EL11-1



755 Series Octal Base

785 Square Base Relay:

- 16A
- DPDT
- Square base
- Dimensions: 1.40"L x 1.53"W x 1.90"H
- UL recognized file no. E43641, CSA certified and CE compliant
- Mates with socket mfg. part no. 70-463-1, 70-788EL11-1



785 Series Square Base

755 SERIES OCTAL BASE RELAYS

Mfg. Part No.	Latching	Coil Voltage	Coil Resist. (Ω)	Stock No.	Price Each	
					1-24	25-49
● 755XBXC-24A	Single Coil	24VAC	470	10M6506	25.22	22.41
● 755XBXC-120A	Single Coil	120VAC	10	72J4300	25.22	22.41
● 755XBXC-12D	Dual Coil	12VDC	90	10N9138	24.62	21.87
● 755XBXC-24D	Dual Coil	24VDC	350	72J4305	24.62	21.87
● 755XBXC-110D	Dual Coil	110VDC	9	10M6508	26.12	23.20

785 SERIES SQUARE BASE RELAYS

Mfg. Part No.	Latching	Coil Voltage	Coil Resist. (Ω)	Stock No.	Price Each	
					1-24	25-49
● 785XBXC-120A	Single Coil	120VAC	10000	16M1135	22.13	16.62
● 785XBXC-12D	Dual Coil	12VDC	88	16M1137	18.05	13.56

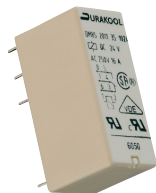
(75471)

DM85 SERIES INDUSTRIAL RELAYS



- Features:**
- Cadmium - free contacts
 - Height: 15.7 mm
 - 5000V / 10mm reinforced insulation
 - For PCB and plug-in sockets
 - AC and DC coils
 - Recyclable packing

- Specifications:**
- Max. inrush current: 30A
 - Rated current: 16A
 - Max. breaking capacity : 4000VA
 - Resistance: less than 100milliohms
 - Max. operating frequency (at rated load): 600cycles/hour
 - Operating time: 7ms



- Release time: 3ms
- Mechanical life: 30million cycles
- Operating temperature: -40°C to 70°C

DC COIL VERSION

Mfg. Part No.	Carry Current (A)	Contacts	Coil Voltage (VDC)	Coil Resist. (Ω)	Stock No.	Price Each	
						1-9	
DM85-2011-35-1012	16	SPST-CO	12	360	78M6768	4.52	
DM85-2011-35-1024	16	SPST-CO	24	1.44	78M6769	4.55	

AC COIL VERSION

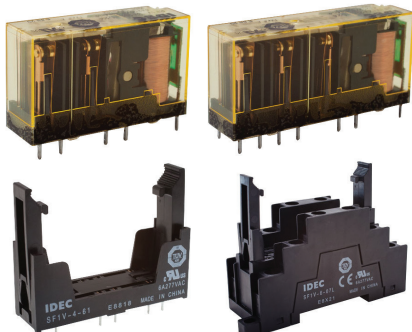
Mfg. Part No.	Carry Current (A)	Contacts	Coil Voltage (VAC)	Coil Resist. (Ω)	Stock No.	Price Each	
						1-9	
DM85-2011-35-5120	16	SPST-CO	120	10.2	78M6772	3.72	

RELAY SOCKETS

Mfg. Part No.	Current (A)	For Use With	Mounting	Termination	Stock No.	Price Each	
						1-9	
DZM80	12	DM84, DM85, DM87L, DM87P Series Relays	DIN Rail / Panel	Screw	78M6796	3.73	

(107907)

RF1V SERIES FORCE GUIDED RELAYS



PC board mount

DIN rail mount

- Voltage rating: 250V AC/DC
- Current rating: 6A
- Operating temperature: -40 to +85°C
- Force guided contact mechanism (EN50205 Type A TÜV approved)
- Contact configuration: 4-pole (2NO-2NC, 3NO-1NC), 6-pole (4NO-2NC, 5NO-1NC, 3NO-3NC)

- Built-in LED indicator available.
- Fast response time (8 ms maximum).
- High shock resistance (200 m/s² minimum)
- Finger-safe DIN rail mount socket and PC board mount socket.

RELAYS WITHOUT LED INDICATOR

Mfg. Part No.	Contacts	Coil Voltage (VDC)	Coil Resist. (ohm)	Coil Power (mW)	Stock No.	Price Each	
						1-9	
RF1V-2A2B-D12	DPST-NO / DPST-NC	12	400	360	45T6740	22.13	
RF1V-2A2B-D24	DPST-NO / DPST-NC	24	1.6 kohm	360	45T6741	22.13	
RF1V-2A2B-D48	DPST-NO / DPST-NC	48	6.4 kohm	360	45T6742	23.31	
RF1V-3A1B-D12	3PST-NO / SPST-NC	12	400	360	45T6745	22.13	
RF1V-3A1B-D24	3PST-NO / SPST-NC	24	1.6 kohm	360	45T6746	22.13	
RF1V-3A1B-D48	3PST-NO / SPST-NC	48	6.4 kohm	360	45T6747	23.31	
RF1V-3A3B-D12	3PST-NO / 3PST-NC	12	288	500	45T6751	26.84	
RF1V-3A3B-D24	3PST-NO / 3PST-NC	24	1.152 kohm	500	45T6752	26.84	
RF1V-3A3B-D48	3PST-NO / 3PST-NC	48	4.608 kohm	500	45T6753	28.02	
RF1V-4A2B-D12	4PST-NO / DPST-NC	12	288	500	45T6757	26.84	
RF1V-4A2B-D24	4PST-NO / DPST-NC	24	1.152 kohm	500	25T1014	26.84	
RF1V-4A2B-D48	4PST-NO / DPST-NC	48	4.608 kohm	500	45T6758	28.02	
RF1V-5A1B-D12	5PST-NO / SPST-NC	12	288	500	45T6762	26.84	
RF1V-5A1B-D24	5PST-NO / SPST-NC	24	1.152 kohm	500	45T6763	26.84	
RF1V-5A1B-D48	5PST-NO / SPST-NC	48	4.608 kohm	500	45T6764	28.02	

▶ CONTINUED ▶

RF1V SERIES FORCE GUIDED RELAYS (CONT.)

RELAYS WITH LED INDICATOR

Mfg. Part No.	Contacts	Coil Voltage (VDC)	Coil Resist. (ohm)	Coil Power (mW)	Stock No.	Price Each	
						1-9	
RF1V-2A2BL-D12	DPST-NO / DPST-NC	12	400	360	45T6743	25.66	
RF1V-2A2BL-D24	DPST-NO / DPST-NC	24	1.6 kohm	360	93R4962	25.66	
RF1V-2A2BL-D48	DPST-NO / DPST-NC	48	6.4 kohm	360	45T6744	26.84	
RF1V-3A1BL-D12	3PST-NO / SPST-NC	12	400	360	45T6748	25.66	
RF1V-3A1BL-D24	3PST-NO / SPST-NC	24	1.6 kohm	360	45T6749	25.66	
RF1V-3A1BL-D48	3PST-NO / SPST-NC	48	6.4 kohm	360	45T6750	26.84	
RF1V-3A3BL-D12	3PST-NO / 3PST-NC	12	288	500	45T6754	30.37	
RF1V-3A3BL-D24	3PST-NO / 3PST-NC	24	1.152 kohm	500	45T6755	30.37	
RF1V-3A3BL-D48	3PST-NO / 3PST-NC	48	4.608 kohm	500	45T6756	31.55	
RF1V-4A2BL-D12	4PST-NO / DPST-NC	12	288	500	45T6759	30.37	
RF1V-4A2BL-D24	4PST-NO / DPST-NC	24	1.152 kohm	500	45T6760	30.37	
RF1V-4A2BL-D48	4PST-NO / DPST-NC	48	4.608 kohm	500	45T6761	31.55	
RF1V-5A1BL-D12	5PST-NO / SPST-NC	12	288	500	45T6765	30.37	
RF1V-5A1BL-D24	5PST-NO / SPST-NC	24	1.152 kohm	500	45T6766	30.37	
RF1V-5A1BL-D48	5PST-NO / SPST-NC	48	4.608 kohm	500	45T6767	31.55	

RELAY SOCKETS

Mfg. Part No.	Description	Stock No.	Price Each	
			1-24	
SF1V-4-07L	DIN Rail Mount Socket 4-Pole	25T1016	15.25	
SF1V-4-61	PC Board Mount Socket 4-Pole	45T6768	8.22	
SF1V-6-07L	DIN Rail Mount Socket 6-Pole	32T5011	16.99	
SF1V-6-61	PC Board Mount Socket 6-Pole	45T6769	8.78	

(196170)

RV8H SERIES 6MM INTERFACE RELAYS

NEW



- Contact configuration: SPDT
- Contact rating: 6A
- Space-saving 6mm width.
- Only 70 mm in height from DIN rail
- Gold plated contacts
- Pre-assembled including DIN-rail and relay
- Universal screw terminals flat and Phillips head
- Universal AC/DC socket with built-in surge protection and GREEN LED Indicator
- Lever for easy locking and removal of the relay
- Wide coil voltage range: 6 to 240V
- High dielectric strength and impulse withstand voltages.
- Sensitive coil 170 mW
- Reverse Polarity protected
- 400VAC maximum switching voltage
- 1500VA AC maximum switching power



Relay and Socket



Replacement relay

RV8H-L DC RELAYS AND SOCKETS

IDEC RV8H Series 6mm wide slim interface relays provide a perfect solution for general purpose relay applications in compact spaces. The RV8H 6mm relays are ideal for PLC and electronic systems, industrial automation, panel builders, assembly machine applications and other applications that require a high switching capability. The RV8H relays can be used as a universal interface between the controller and the actuator to switch small and medium size loads. Pre-assembled relays and sockets reduce installation time. Replacement relays are also available. Optional accessories include jumpers, spacers and marking plates for wiring and marking solutions.

Mfg. Part No.	Current Rating (mA)	Voltage	Resistance (AC)	Resistance (DC)	Stock No.	Price Each	
						1-24	
RV8H-L-D6	35	6	...	170	72T0367	15.43	
RV8H-L-D9	18.6	9	...	485	72T0368	15.43	
RV8H-L-D12	14.6	12	...	820	65T7988	12.59	
RV8H-L-D18	11.6	18	...	1.55	72T0365	15.43	
RV8H-L-D24	10.6	24	...	2.27	72T0366	15.43	

RV8H-L AC/DC RELAYS AND SOCKET

RV8H-L-AD12	15.5	12	755	800	72T0359	16.50	
RV8H-L-AD18	13.3	18	1.365 kohm	1.345 kohm	72T0360	16.50	
RV8H-L-AD24	13.7	24	1.73 kohm	1.79 kohm	72T0362	16.50	
RV8H-L-AD48	4	48	11.88 kohm	12.23 kohm	72T0363	17.56	
RV8H-L-AD60	3.4	60	17.6 kohm	17.91 kohm	72T0364	18.62	
RV8H-L-AD110	3.4-3.9	110-125	31.79-31.89 kohm	32.45-32.9 kohm	72T0358	18.62	
RV8H-L-AD220	3.3-3.6	220-240	65.67-66.07 kohm	65.94-68.57 kohm	72T0361	18.62	

REPLACEMENT RELAYS

RV1H-G-D5	35	6	...	170	72T0355	6.38	
RV1H-G-D9	18.6	9	...	485	72T0357	6.38	
RV1H-G-D12	14.6	12	...	820	65T7986	6.38	
RV1H-G-D18	11.6	18	...	1.55	72T0352	6.93	
RV1H-G-D24	10.6	24	...	2.27	72T0353	6.93	
RV1H-G-D48	4	48	...	12.23 kohm	72T0354	7.99	
RV1H-G-D60	3.4	60	...	17.91 kohm	72T0356	7.99	

▶ CONTINUED ▶

POWER PCB RELAYS

RV8H SERIES 6MM INTERFACE RELAYS (CONT.)

RELAY ACCESSORIES

Mfg. Part No.	Description	Stock No.	Price Each	
			1-24	
● SV9Z-J20B	Jumper Black	72T0374	3.75	
● SV9Z-J20S	Jumper Blue	72T0375	3.75	
● SV9Z-J20W	Jumper Gray	72T0376	3.75	
● SV9Z-PW10	Marking Plate	72T0377	1.62	
● SV9Z-SAW	Spacer	72T0378	1.07	

REPLACEMENT RELAY SOCKETS

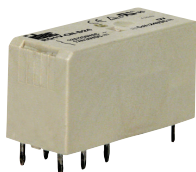
● SV1H-07L-1	Relay Socket	72T0369	9.79
● SV1H-07L-2	Relay Socket	72T0370	10.29
● SV1H-07L-3	Relay Socket	72T0371	10.29
● SV1H-07L-4	Relay Socket	72T0372	10.29
● SV1H-07L-5	Relay Socket	72T0373	9.28

(197963)

8-16A POWER PC BOARD RELAYS



- Lead-free contacts
- Contact rating: 8A DPDT, 12A SPDT, 16A SPDT and SPST
- Low height profile 13W x 16H x 29D mm.
- High operation life: 100K cycles at full resistive load, 10 million cycle, no load
- LED/diode plug-in modules available with DIN rail socket



RQ series relays are low-profile compact relays with standard 3.5mm and 5mm pin terminal separation. Plug-in LED and diode modules available; go online or call.

8A DPDT CONTACTS

Mfg. Part No.	Coil Voltage	Coil Resist. (Ω)	Stock No.	Price Each			
				1-24	25-49	50-99	100-249
● RQ2V-CN-D12	12VDC	360	33K1075	3.73	3.52	3.45	3.28
● RQ2V-CN-D24	24VDC	1.44	33K1076	3.71	3.31	3.16	3.00
● RQ2V-CN-A24	24VAC	350	33K1074	7.05	6.28	5.98	5.69
● RQ2V-CN-A115	120VAC	8.1	33K1072	6.78	6.41	6.41	6.23

12A SPDT CONTACTS

● RQ1V-CM-D12	12VDC	360	33K1070	2.71	2.56	2.49	2.49
● RQ1V-CM-D24	24VDC	1.44	33K1071	2.94	2.62	2.50	2.37
● RQ1V-CM-A115	120VAC	8.1	33K1067	5.64	4.77	4.77	4.77

16A SPDT CONTACTS

● RQ1V-CH-D24	24VDC	1.44	33K1066	3.35	3.17	3.08	3.08
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SOCKETS AND ACCESSORIES

Mfg. Part No.	Description	Stock No.	Price Each		
			1-49	50-99	100-249
● SQ2V-07B	DPDT Socket	33K1096	8.13	7.35	6.86
● SQ1V-07B	SPDT Socket	33K1095	6.19	5.59	5.22

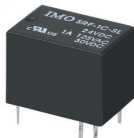
(84846)

SRF SERIES 2A SUBMINIATURE INTERMEDIATE POWER RELAYS



Features:

- Low cost
- SPCO configuration
- Standard PC layout
- Sealed and flux-tight construction
- UL Approved
- RoHS Compliant



Specifications:

- Contact rating: 1A at 120VAC / 30VDC
- Initial contact resistance: 100mΩ Max.
- Contacts: SPST-NO, SPDT
- Max. switching voltage: 250VAC / 30VDC
- Max. switching current: 2A

- Max. switching power: 240VA / 30W
- Initial insulation resistance: 100MΩ @ 500VDC
- Dielectric strength: 1000VAC
- Operating temperature: -25°C to +70°C
- Unit weight: 5g

Mfg. Part No.	Current (A)	Contacts	Coil Voltage (VDC)	Coil Resist.	Stock No.	Price Each
						1-24
● SRF-1C-SL-5VDC	2	SPDT	5	120ohm	74R1530	1.67
● SRF-1C-SL-12VDC	2	SPDT	12	700ohm	74R1528	1.67
● SRF-1C-SL-24VDC	2	SPDT	24	2.8kohm	74R1529	1.67

(177830)

SRB SERIES 5A SUBMINIATURE INTERMEDIATE POWER RELAYS



Features:

- SPNO or SPCO variants
- Standard and Sensitive Coils
- Sealed IP67
- UL/TUV Approved
- RoHS Compliant

Specifications:

- Contact rating: NO: 5A at 250VAC / 30VDC; NC: 3A at 250VAC / 30VDC
- Initial contact resistance: 100mΩ Max.
- Contacts: SPST-NO, SPDT
- Max. switching voltage: 250VAC / 30VDC
- Max. switching current: 5A
- Max. switching power: 1250VA / 150W
- Initial insulation resistance: 1000MΩ @ 500VDC
- Dielectric strength: 1000VAC



- Operating temperature: -40°C to +85°C
- Unit weight: 8g

Mfg. Part No.	Current (A)	Contacts	Coil Voltage (VDC)	Coil Resist.	Stock No.	Price Each
						1-24
● SRBN-1C-SL-12VDC	5	SPST-CO	12	575ohm	74R1524	2.04
● SRBN-1C-SL-24VDC	5	SPST-CO	24	2.31kohm	74R1525	2.04

(177828)

ETS SERIES 6A SUBMINIATURE POWER RELAYS ETS SERIES



- Slim size (width 5mm)
- High breakdown voltage 4kV (between coil and contacts)
- Surge voltage up to 6kV (between coil and contacts)

- Clearance/creepage distance: 8mm
- High sensitive: 170mW
- 1 Form A and 1 Form C configurations

Mfg. Part No.	Coil Voltage (VDC)	Coil Resist. (ohm)	Coil Power (mW)	Stock No.	Price Each	
					1-24	
● ETS-1CN-SL-12VDC	12	848	170	74R1592	2.73	
● ETS-1CN-SL-24VDC	24	3.39	170	74R1593	2.73	
● ETS-1CN-SL-48VDC	48	10.6	210	74R1594	3.86	
● ETS-1CN-SL-60VDC	60	16.6	210	74R1595	5.40	

ACCESSORIES

Mfg. Part No.	Description	Voltage (AC/DC)	Stock No.	Price Each	
				1-24	
● SRSI-110AC/DC	RELAY SOCKET	110	74R1603	5.57	
● SRSI-230AC/DC	RELAY SOCKET	230	74R1604	5.57	
● SRSI-24AC/DC	RELAY SOCKET	24	74R1605	6.80	
● SRSI-60AC/DC	RELAY SOCKET	60	74R1606	5.57	

(177833)

SRD SERIES 10A SUBMINIATURE INTERMEDIATE POWER RELAYS



Features:

- 5A, 10A switching capabilities
- SPNO & SPCO configurations
- Subminiature, standard PCB layout
- Sealed Construction



Specifications:

- Contact rating: 3A at 250VAC / 30VDC
- Initial contact resistance: 100mΩ Max.
- Contacts: SPST-NO, SPDT
- Max. switching voltage: 250VAC / 30VDC
- Max. switching current: 10A
- Max. switching power: 1250VA / 150W
- Coil power: Standard: 450 mW; Sensitive: 200mW
- Initial insulation resistance: 1000MΩ @ 500VDC
- Dielectric strength: 1000VAC

- Operating temperature: -40°C to +70°C
- Unit weight: Approximately 6g

Mfg. Part No.	Current (A)	Contacts	Coil Voltage (VDC)	Coil Resist.	Stock No.	Price Each
						1-24
● SRDH-1A-SL-12VDC	10	SPST-NO	12	720ohm	74R1526	1.35
● SRDH-1A-SL-24VDC	10	SPST-NO	24	2.8kohm	74R1527	1.72

(177829)

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(196545)

SOLID-STATE PANEL-MOUNT RELAYS

8A AC OUTPUT RELAYS



- Zero-cross switching
- 2500V isolation
- Load current ratings up to 8A @ 240VAC
- Low off-state leakage current
- 3/16" fast-on terminals
- Snubberless design

Mfg. part no. S228C is a snubberless design for applications requiring low off-state leakage. Control voltage range is 3.5-8VDC (18mA @ 5VDC). Dimensions: 1.75 (44.4)L x 0.85 (21.6)W x 0.83 (21.1)H. UL recognized, CSA certified, CE compliant.



Mfg. Part No.	Output Voltage (VAC)	Load Current (A _{RMS})	One-Cycle Surge (Apk)	Stock No.	Price Each			
					1-9	10-49	50-99	100+
● S218	20-140	0.15-8	120	03M5744	134.04	128.01	121.99	118.98
● S228	40-280	0.15-8	120	93K7598	141.16	134.81	128.47	125.31
● S228C	40-280	0.15-8	120	03M5745	122.00	122.00	122.00	122.00

(3710)

PROPORTIONAL CONTROLLERS



RPC series proportional controllers provide a stable yet economical method of controlling power. An inexpensive potentiometer connected to the input provides the proportional control. Mfg. part nos. RPC12- require potentiometer resistance of 150kΩ and potentiometer wattage: 1W. Mfg. part nos. RPC24- and RPC48- require a 1MΩ, 1/2W potentiometer.

Mfg. Part No.	Load Current (A _{RMS})	One-Cycle Surge (A _{PK})	Stock No.	Price Each		
				1-9	10-49	50-99
● RPC1215	15	150	80K9308	77.77	74.28	70.78
● RPC1225	25	250	80K9309	100.57	96.05	91.53
● RPC1240	40	625	03M5742	110.10	110.10	110.10
● RPC2415	15	150	80K9310	84.95	81.13	77.31
● RPC2425	25	250	80K9311	105.26	100.53	95.79
● RPC2440	40	625	82K8614	146.36	139.78	133.20
● RPC4825	25	250	80K9312	136.74	130.61	124.45
● RPC4840	40	625	80K9313	159.08	159.08	159.08

PCV series proportional controllers are self-contained power control modules integrating a complete phase fired logic control system and solid state relays in the same standards package. Control voltage for mfg. part no. 7CV2415 is 2-7VDC (4-7mA typ). Output voltage is 100-240VAC. Control voltage for mfg. part nos. 10CV24XX is 2-10VDC (4-7mA typ).

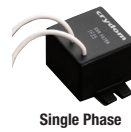
Mfg. Part No.	Load Current (A _{RMS})	One-Cycle Surge (A _{PK})	Stock No.	Price Each		
				1-9	10-49	50-99
● 7PCV2415	15	150	03M5799	99.46	94.80	90.73
● 10PCV2415	15	150	03M5768	103.53	98.88	94.22
● 10PCV2425	25	250	03M5769	114.65	109.50	104.35
● 10PCV2440	40	625	03M5770	155.63	148.69	141.69
● 10PCV2450	50	625	91F5738	139.75	133.47	127.19

LPCV Series linear proportional controllers control loads up to 110A. Changes in the input signal linearly vary the firing angle of the thyristor load control device. Control circuitry and power switch are in the same package. Mfg. part no. PS-240 power supply is designed to provide the 20VAC required in addition to the control voltage. Mfg. part nos. 5LPCV- have a 0-5VDC control. Mfg. part nos. 10LPCV- have a 0-10VDC control.

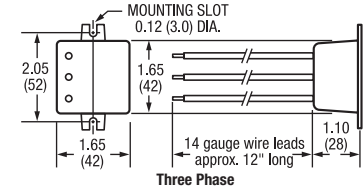
Mfg. Part No.	Load Current (A _{RMS})	One-Cycle Surge (A _{PK})	Stock No.	Price Each		
				1-9	10-49	50-99
● 5LPCV2475	75	1000	80K9323	448.85	428.68	408.50
● 10LPCV2440	40	625	92F4739	412.07	393.55	375.03
● 10LPCV2425	25	250	80K9322	359.14	343.00	326.86

(2430)

SOLID-STATE RELAY FILTERS — AC OUTPUT



Single Phase



Three Phase

- Suppresses EMI noise
- Simple installation in new or existing equipment

Designed to significantly reduce EMI noise generated by solid-state relays to meet EMC regulations. All AC solid-state relays that use thyristor switching devices generate some low frequency noise, that may appear as chondric emissions on the main supply line connection. Current is not required to pass through the filter. The only connections required are across the incoming supply line.

Mfg. Part No.	Connection*	Output Voltage (V _{rms})	Attenuation 150 to 250Khz (dBμV)	Maximum Current Drain (mA)†	Stock No.	Price Each	
						1-9	10-49
● 1F25	Single	275	30	40	03M5767	25.99	24.78
● 3F20	Three	475	25	35	52F6724	37.04	35.31

*Number of phases; †At V_{rms} max. (75473)

PANEL MOUNT SOLID STATE RELAYS



- Features:
- Input status LED indicator
 - Dual SCR output
 - Direct bond copper substrate
 - Internal transient protection - built-in snubber
 - High surge capability
 - Optional finger-safe terminal cover (RSS-CVR)

- Specifications:
- Blocking voltage: 1200V
 - Optical isolation: 4000V
 - Zero cross
 - Output voltage: 48-660VAC
 - Contacts: SPST-NO



AC RELAYS

Mfg. Part No.	Control Voltage (VAC)	Load Current (A)	Stock No.	Price Each
				1-9
● RSSAN-10A	90-280	10	31B3391	30.35
● RSSAN25A	90-280	25	80K6136	32.47
● RSSAN-50A	90-280	50	80K6135	41.89
● RSSAN-75A	90-280	75	31B3392	71.50

DC RELAYS

Mfg. Part No.	Control Voltage (VDC)	Load Current (A)	Stock No.	Price Each
				1-9
● RSSDN-10A	4-32	10	13M2780	23.40
● RSSDN-25A	4-32	25	80K6137	24.69
● RSSDN-50A	4-32	50	13M2781	37.98
● RSSDN-75A	4-32	75	31B3394	62.88
● RSSDN-90A	4-32	90	31B3395	73.36

ACCESSORIES

Mfg. Part No.	Description	For Use With	Stock No.	Price Each
				1-24
● RSS-CVR	Finger-safe terminal cover	RSS series solid-state relays	31B3390	1.88

(105822)



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(202249)

SWITCHES – JOYSTICKS • SWITCHES – KEYLOCK & SELECTOR

MONO LEVER SWITCHES

NEW



HW series lever switches are rated 600VAC/DC, 10A. Mechanical life: 500,000 operations. Meets IEC. UL listed, CSA certified, CE compliant, and TÜV approved.

HW1M STANDARD LEVER

Mfg. Part No.	Positions	Description	Bezel	Stock No.	Price Each	
					1-24	25-49
HW1M-F1010-20	2	Maintained Up & Down		84C4800	63.50 ¹	59.31 ³
● HW1M-F2020-20	2	Spring Return Up & Down	Plastic	39C5582	86.29 ¹	81.84 ³
HW1M-F0101-20	2	Maintained Right & Left	Plastic	84C4799	86.29 ¹	81.84 ³
● HW1M-F0202-20	2	Spring Return Right & Left	Plastic	86H3789	72.50 ¹	67.55 ³
HW1M-F0121-30	3	Maintained Right & Left, Spring Return Down	Plastic	05N7425	95.66 ⁵	90.73 ²
HW1M-F1111-22N9	4	Maintained all positions	Plastic	84C4803	104.12	98.76 ⁵

HW1M-L INTERLOCKING LEVER

HW1M-LF1010-20	2	Maintained Up & Down	Plastic	18M7189	97.98 ³	92.93 ³
HW1M-LF2020-20	2	Spring Return Up & Down	Plastic	84C4816	113.79	107.92
HW1M-LF0101-20	2	Maintained Right & Left	Plastic	84C4813	113.79	107.92
HW1M-LF0202-20	2	Spring Return Right & Left	Plastic	05N7432	113.79	107.92

(196386)

JD SERIES KEYLOCK SWITCHES

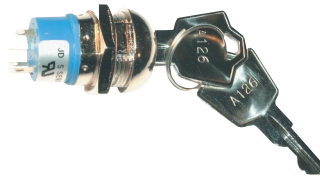


Features:

- 4-tumbler lock
- Multi key-pull positions
- Chrome finish with solid detent
- 2-keys supplied with code stamped on case

Specifications:

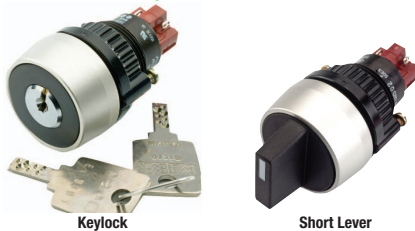
- Contact rating: 4A at 125VAC, 2A at 250VAC
- Single pole or double pole
- 45° and 90° indexing
- On = Maintained action; (On) = Momentary action



Mfg. Part No.	Number of Poles	Angle of Throw	Function	Key Pull Position	Stock No.	Price Each	
						1-24	25-99
● JD7509N	1	90°	On-(On)	1	73J0626	15.98	14.32
● JD7510A	1	90°	(On)	1	73J0632	18.78	16.82
● JD7509R	1	90°	On-(On)	1, 2	73J0630	15.96	14.31
● JD7510E	1	90°	(On)	1	73J0634	18.78	16.82
● JD75090	2	90°	On-(On)	1	73J0627	15.96	14.31
● JD7509S	2	90°	On-(On)	1, 2	73J0631	15.96	14.31
● JD7509B	2	45°	On-(On)	1	73J0616	14.36	13.08

(90821)

14 SERIES 22mm KEYLOCK, AND ROTARY SWITCHES



Specifications:

- Switch ratings: 5A at 250VAC, 2A at 24VDC
- Mount in a 22.5mm (0.885") diameter hole
- Sealed to NEMA 4&13 standards; IP67 rated

Features:

- 2 position keylock and selector switches
- Self-cleaning snap action or low level contacts
- 2 high-security flat keys included with each keylock
- Over 690 keycodes exist for increased security
- Solder and OC terminals available
- Anodized aluminum bezel
- On = Maintained; (On) = Momentary

SHORT LEVER ACTUATOR

Mfg. Part No.	Circuitry	No. of Positions	Function	Stock No.	Price Each	
					1-24	25-49
● 14-506.0250	SPDT	2	On-On	84F560	32.28	
● 14-507.0250	DPDT	2	On-On	30B3942	44.16	

KEYLOCK ACTUATOR

Mfg. Part No.	Circuitry	Function	No. of Positions	Key Removal Position	Stock No.	Price Each	
						1-24	25-49
● 14-235.025K	SPDT	On-On	2	A	84F558	50.26	
● 14-141.025K	SPDT	(On)-(On)	2	A	30B3876	50.26	
● 14-236.025K	DPDT	On-On	2	A	84F559	60.14	

(5095)

704 SERIES TWO- AND THREE-POSITION KEYLOCK AND ROTARY LEVER ACTUATORS



Features:

- Keylock and rotary selector actuators come in round and square bezel; plastic or anodized aluminum
- Keylocks include 2 keys and lever actuator is black
- Middle position is neutral/unactuated in standard 3 position actuator
- Key removable (Rmv) and position codes are left (L), center (C), and right (R)
- Other position/functions exist
- Additional key codes available



STEP 1: Rotary



STEP 1: Keylock

Specifications:

- Switch rating: 10A at 600VAC
- Standard mount in 22.5mm (0.885") round hole
- Flush mount in 30.5mm (1.2") round hole
- Sealed to NEMA 13 and 14 standards; (IP65 standard)
- ISO 9001 certified

Use 2-Step Component Process to Assemble Complete Switch:

- STEP 1: Choose keylock or selector switch front section
- STEP 2: Choose contact block separately on page 1766

SHORT LEVER ACTUATOR

Mfg. Part No.	Switch Function	No. of Pos.	Bezel Style	Stock No.	Price Each	
					1-24	25-49
● 704.402.0	On-Off-On	3	Round Gray Plastic	50F7333	13.23	
● 704.403.0	On-On-On	3	Round Natural Aluminum	19C6728	22.16	
● 704.404.0	On-(On)-On	3	Round Gray Plastic	50F7336	16.66	
● 704.405.0	(On)-Off-(On)	3	Round Natural Aluminum	23C9639	22.16	
● 704.409.0	(On)-Off-On	3	Round Natural Aluminum	07J0812	19.61	
● 704.410.0	On-On	2	Round Gray Plastic	50F7327	17.20	
● 704.411.0	On-On	2	Round Natural Aluminum	18C5342	22.16	
● 704.510.0	On-On	2	Square Gray Plastic	50F7328	17.20	

KEYLOCK ACTUATOR

Mfg. Part No.	Switch Function	No. of Pos.	Key Removal Position	Stock No.	Price Each	
					1-24	25-99
● 704.113.0	On-On-On	3	L, C, and R	50F7331	38.61	
● 704.115.0	(On)-(On)-(On)	3	C	50F7335	37.40	
● 704.117.0	On-Off-(On)	3	L	50F7337	38.61	
● 704.121.0	On-On	2	L	50F7325	38.61	
● 704.122.0	On-On	2	L and C	50F7329	38.61	
● 704.123.0	(On)-None-(On)	2	C	27C0125	37.91	
● 704.341.0	On-On	2	L	50F7326	37.40	

(5091)

C22 SERIES NON-ILLUMINATED SELECTOR SWITCHES



With over 20 variations of operation and 8 varieties of key codes, the C22 line offers a very complete line of selector switches.

NON-ILLUMINATED SELECTOR SWITCHES - KNOB TYPE, 2 POSITION, MOMENTARY

Mfg. Part No.	Contacts	Bezel Color	Stock No.	Price Each	
				1-20	21-40
● C22-WK-K01	SPST-NC	Silver	44T9760	23.56	
● C22-WK-K02	DPST-NC	Silver	44T9761	32.33	
● C22-WK-K10	SPST-NO	Silver	44T9762	23.56	
● C22-WK-K11	SPST-NO / SPST-NC	Silver	44T9763	32.33	
● C22-WK-K20	DPST-NO	Silver	44T9764	32.33	
● C22S-WK-K01	SPST-NC	Black	44T9891	22.24	
● C22S-WK-K02	DPST-NC	Black	44T9892	31.02	
● C22S-WK-K10	SPST-NO	Black	44T9893	22.24	
● C22S-WK-K11	SPST-NO / SPST-NC	Black	44T9894	31.02	
● C22S-WK-K20	DPST-NO	Black	44T9895	31.02	

NON-ILLUMINATED SELECTOR SWITCHES - KNOB TYPE, 2 POSITION, MOMENTARY, "V" POSITION

● C22-WKV-K01	SPST-NC	Silver	44T9765	20.00	
● C22-WKV-K02	DPST-NC	Silver	44T9766	28.79	
● C22-WKV-K10	SPST-NO	Silver	44T9767	20.00	
● C22-WKV-K11	SPST-NO / SPST-NC	Silver	44T9768	28.79	
● C22-WKV-K20	DPST-NO	Silver	44T9769	28.79	
● C22S-WKV-K01	SPST-NC	Black	44T9896	18.87	
● C22S-WKV-K02	DPST-NC	Black	44T9897	27.48	
● C22S-WKV-K10	SPST-NO	Black	44T9898	18.87	

➔ CONTINUED ➔

SWITCHES – KEYLOCK & SELECTOR

KEYLOCK AND ROTARY SELECTOR SWITCH MODULES (CONT.)

KEYLOCK SWITCHES

Mfg. Part No.	No. of Positions	Actuator Style	Action	Turning Radius	Bezel	Stock No.	Price Each
● M22S-WS	2	Keylock	Off-(On)	45°	Black	10R1964	36.48
● M22-WS	2	Keylock	Off-(On)	45°	Silver	10R1880	49.01
● M22S-WS3	3	Keylock	Off-(On)	45°	Black	10R1965	36.48
● M22-WS3	3	Keylock	Off-(On)	45°	Silver	10R1881	46.84

FLUSH MOUNTING CONTACT BLOCKS

Mfg. Part No.	Circuitry	Termination	Stock No.	Price Each	
				1-9	
● M22-K10	1NO	Screw	10R1831		6.81
● M22-K01	1NC	Screw	10R1830		6.81

REAR MOUNTING CONTACT BLOCKS

● M22-KC10	SPST-NO	Screw	26C5890	10.99
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LEGEND PLATES

Mfg. Part No.	Inscription	Stock No.	Price Each
● M22-XST-GB10	OFF ON	10R1901	1.92
● M22-XST-X88	O I	10R1908	1.68

ACCESSORIES

Mfg. Part No.	Description	Stock No.	Price Each
● M22S-ST-X	Legend Plate Holder	10R1957	1.05
● M22-XW	Plunger Bridge for Pushbuttons	10R1910	1.11
● M22-XWS	Key Cover for Pushbuttons	10R1911	6.82
● M22-XC-R	Key Withdraw Adapter for Pushbuttons	10R1886	2.74

(148566)

30MM SELECTOR SWITCHES
10250T SERIES

- Heavy-duty zinc die cast construction
- Enclosed silver contacts with reliability nibs
- Reliability nibs improve contact reliability even under dry circuit and fine dust conditions
- Drainage holes prevent buildup of liquid inside the operator which can prevent operation in freezing environments
- Grounding nibs bite through paint and other coatings to secure grounding

The 10250T 30.5 mm selector line features a zinc die cast construction with chrome-plated housing and mounting nut. The same durable construction is also available with the corrosive resistant E34 line of pushbuttons.

OPERATORS WITH CAPS

Mfg. Part No.	No. of Positions	Selector Type	Stock No.	Price Each
10250T1311	2	Knob	44K1639	50.35
10250T1323	3	Knob	44K1676	50.35
10250T3011	2	Lever	44K2876	50.35

OPERATORS WITH CAM

10250T15112	2	Keylock	44K1769	134.25
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2-POSITION SELECTOR SWITCHES

Mfg. Part No.	Circuitry	Selector Type	Stock No.	Price Each
10250T20LB	SPDT-1NO/1NC	Lever	44K2473	92.29

3-POSITION SELECTOR SWITCHES

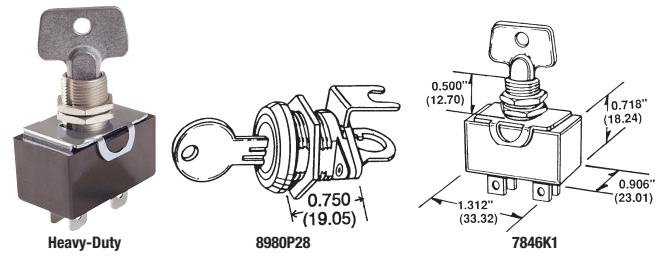
10250T21LB	SPST-NO/1NO	Lever	44K2578	88.19
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SWITCH ACCESSORIES CONTACTS BLOCK - WITH SCREW TERMINALS

Mfg. Part No.	Circuit	Stock No.	Price Each
			1-9
10250T1	SPDT-1NO/1NC	44K1497	39.13
10250T2	DPDT-2NO	44K2440	39.13
10250T3	DPDT-2NC	44K2854	39.13
10250T51	SPST-NC	44K3626	19.72
10250T53	SPST-NO	44K3639	19.72

(136542)

HEAVY-DUTY ROTARY KEYLOCK SWITCH AND BRACKET



Mfg. part no. 7846K1 multiposition switch with quick-connect terminals. 20A @ 125V. Action is Off-On, DPST. Key can be removed when switch is in off position. Mfg. part no. 8980P28 rotary keylock switch and bracket converts 1- and 2-pole toggle switches with 1/8" dia. bushing to security lock switches. 2 nuts. 2 keys.

Mfg. Part No.	Description	Stock No.	Price Each	
			1-9	10-24
● 7846K1	Heavy-Duty	46F1440	46.90	46.90
● 8980P28	Security Tumbler	46F1881	57.34	57.34

(5005)

CW SERIES 22MM FLUSH MOUNT SELECTOR AND KEYLOCK SWITCHES

NEW



- Only 39.9mm depth behind the panel. Space-saving design.
- ø22.3mm mounting hole compliant with IEC 60947-5-1
- Black and metallic bezels available
- Direct opening NC contact
- 10A contact rating



SELECTOR SWITCHES (2 POSITIONS)

Mfg. Part No.	Contacts	Bezel	Spring Return Action	Stock No.	Price Each
					1-9
● CW1S-2E11	SPST-NO / SPST-NC	Black	Maintained	59T4351	38.09
● CW4S-2E20	DPDT-NO	Metallic	Maintained	59T4377	40.71
● CW1S-21E01	SPST-NC	Black	From right	59T4352	31.52
● CW4S-21E11	SPST-NO / SPST-NC	Metallic	From right	59T4378	44.65

SELECTOR SWITCHES (3 POSITIONS)

● CW1S-3E11	SPST-NO / SPST-NC	Black	Maintained	59T4353	38.09
● CW4S-3E20	DPDT-NO	Metallic	Maintained	59T4379	40.71
● CW1S-31E11N3	SPST-NO / SPST-NC	Black	From right	59T4354	42.03
● CW4S-31E11N3	SPST-NO / SPST-NC	Metallic	From right	59T4380	44.65
● CW1S-32E02	DPDT-NC	Black	From left	59T4355	42.03
● CW4S-32E11N4	SPST-NO / SPST-NC	Metallic	From left	59T4381	44.65
● CW1S-33E20	DPDT-NO	Black	Two-way	59T4356	42.03
● CW4S-33E11N4	SPST-NO / SPST-NC	Metallic	Two-way	59T4382	44.65

KEY OPERATED SELECTOR SWITCHES (2 POSITIONS)

● CW1K-2AE11	SPST-NO / SPST-NC	Black	Maintained	59T4335	66.48
● CW4K-2AE20	DPDT-NO	Metallic	Maintained	59T4361	67.64
● CW1K-21BE01	SPST-NC	Black	From right	59T4336	68.81
● CW4K-21BE11	SPST-NO / SPST-NC	Metallic	From Right	59T4362	80.47

KEY OPERATED SELECTOR SWITCHES (3 POSITIONS)

● CW1K-3AE11	SPST-NO / SPST-NC	Black	Black	59T4337	66.48
● CW4K-3AE20	DPDT-NO	Metallic	Metallic	59T4363	67.64
● CW1K-31DE11N3	SPST-NO / SPST-NC	Black	From right	59T4338	78.14
● CW4K-31DE11N3	SPST-NO / SPST-NC	Metallic	From right	59T4364	80.47
● CW1K-32DE02	DPDT-NC	Black	From left	59T4339	78.14
● CW4K-32DE11N4	SPST-NO / SPST-NC	Metallic	From left	59T4365	80.47
● CW1K-33DE20	DPDT-NO	Black	Two-way	59T4340	78.14
● CW4K-33DE11N4	SPST-NO / SPST-NC	Metallic	Two-way	59T4366	80.47

(202391)

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(197040)

SWITCHES – KEYLOCK & SELECTOR

16mm SELECTOR AND KEYLOCK SWITCHES



Selector Switch

Pushlock/Turn Reset Pushbutton

Compact units fit into 0.630" (16.00) mounting holes and have back panel mounting depth of less than 1.25" (31.75). Contacts can switch 1A maximum down to a low-level 1mA AC/DC, 5V. Contacts: gold-clad silver. Meet IEC enclosure IP65 classification as waterproof and oil-tight. Solder tab terminals. DPDT contacts. UL recognized, CSA certified, CE marked.

SELECTOR SWITCHES

Mfg. Part No.	Turning Radius	Positions	Shape	Stock No.	Price Each			
					1-4	5-9	10-24	25-49
AS6M-2Y2P	90°	2	Round	74K3684	20.76	19.98	19.20	18.29
AS6M-3Y2P	45°	3	Round	74K3685	20.76	19.98	19.20	18.29
AS6Q-2Y2P	90°	2	Square	76K1008	20.76	19.98	19.20	18.29
AS6Q-3Y2P	45°	3	Square	96F4092	22.96	22.96	22.96	21.69
AS6H-2Y2P	90°	2	Rectangular	74K3683	20.76	19.98	19.20	18.29
AS6H-3Y2P	45°	3	Rectangular	96F4094	19.96	19.96	18.53	18.29

KEYLOCK SWITCHES

AS6M-2KT2PA	90°	2	Round	66M8381	33.90	33.90	30.31	28.74
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PUSHLOCK/TURN RESET

Mfg. Part No.	Description	Color	Stock No.	Price Each		
				1-9	10-24	25-49
AB6M-V2P-R	23.5mm Round Mushroom	Red	74K3622	23.39	22.74	21.97
AB6M-V1R	23.5mm Round Mushroom	Red	50B4156	19.06	18.55	17.91

PUSHBUTTON SWITCHES

AB6M-M1-W	18mm Round	White	30B5596	10.23	9.95	9.61
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(3413)

30mm SELECTOR SWITCHES



Knob Operator

Key Operator

Standard size screw terminal units. Maintain position. Key operator comes with 2 keys. UL listed, CSA certified, CE compliant.

7

Mfg. Part No.	Style	Positions	Circuitry	Stock No.	Price Each		
					1-9	10-24	25-49
ASD211N	Knob Operator (Black)	2	DPST-1NO/1NC	91F6264	35.42	31.62	30.10
ASD220N	Knob Operator (Black)	2	DPST-NO	74K3677	35.42	31.62	30.10
ASD2K20N	Key Operator	2	DPST-NO	74K3676	66.53	59.33	56.45

(3441)

2 POSITION - SRL SERIES ROTARY KEYLOCK SWITCHES

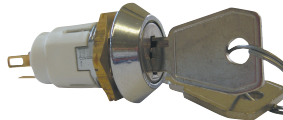


Features:

- Silver plated brass contacts
- Spare keys are available for common key profile
- Each keyswitch is provided with two keys, random or common profile

Specifications:

- Switch rating: 5A at 115VAC
- Lock type: 5 disc
- Indexing: 90°
- Switch chamber: Polyester (PBT) V0 rated
- Keys: Nickel plated steel



KEYLOCK SWITCHES

Mfg. Part No.	Circuitry	Key Removal Position	Key Type	Stock No.	Price Each	
					1-49	50-99
SRL-5-D-D-2	SPDT-1NO/1NC	0, 1	Random	24M7805	7.59	6.86
SRL-5-D-S-2	SPDT-1NO/1NC	0, 1	Common	24M7806	7.59	6.86
SRL-5-E-D-2	SPDT-1NO/1NC	0	Random	24M7807	6.03	5.62
SRL-5-E-S-2	SPDT-1NO/1NC	0	Common	24M7808	7.59	6.86
SRL-5-L-D-2	DPDT-2NO/2NC	0, 1	Random	24M7809	5.37	5.00
SRL-5-L-S-2	DPDT-2NO/2NC	0, 1	Common	24M7810	7.59	6.86
SRL-5-M-D-2	DPDT-2NO/2NC	0	Random	24M7811	7.59	6.86
SRL-5-M-S-2	DPDT-2NO/2NC	0	Common	03M4728	7.59	6.86

CONTINUED

2 POSITION - SRL SERIES ROTARY KEYLOCK SWITCHES (CONT.)

KEYS

Mfg. Part No.	Description	Stock No.	Price Each
			1-49
901	Spare common keys (pair)	26M7868	7.31

(90618)

WRL SERIES SEALED KEYLOCK SWITCHES



Features:

- Miniature key-operated Lock switch
- Single or Double pole
- Up to 200 key combinations
- Common keys available – keys to pass
- Keys are double entry
- Occupies small panel area
- Easily assembled through front of equipment panel
- Rear projection less than 30mm from panel
- Suitable for Marine Environment exposure to Severity 1 (EN60068-2-52)



Specifications:

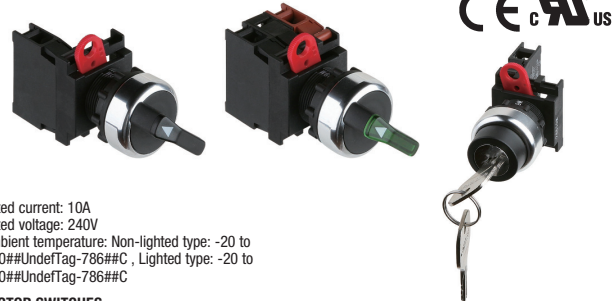
- Switch Rating: 5A at 115VAC; 3A at 50Vdc
- IP67 rating/waterproof
- Life: more than 10,000 cycles
- Operating temperature: -20##Undertag-786##C to +65 ##Undertag-786##C
- Proof voltage: 750Vdc (initial)
- Insulation resistance: 999MΩ at 500Vdc
- Contact resistance: 20mΩ (initial)
- Lock type: 5 disc
- Std. qty. of keys per lock: 2 brass - Ni plated
- Contact material: Brass CZ108 Ag plated
- Moulding material: Polyamide 6.6 UL94V0 rated
- Lock housing: Zinc-alloy bright Cr plated

Mfg. Part No.	No. of Poles	Indexing	Key Removal	Key Options	Stock No.	Price Each
						1-24
WRL-5-D-S-2	1	90°	1, 4	Same Key no. 901	50M5344	16.57
WRL-5-E-S-2	1	90°	1	Same Key no. 901	50M5346	17.43
WRL-5-M-S-2	2	60°	1	Same Key no. 901	95M0276	16.57

(116604)

A22R SERIES SELECTOR / KEYLOCK SWITCHES

NEW



- Rated current: 10A
- Rated voltage: 240V
- Ambient temperature: Non-lighted type: -20 to +60##Undertag-786##C, Lighted type: -20 to +50##Undertag-786##C

SELECTOR SWITCHES

Mfg. Part No.	Contacts	Switch Position (°)	Stock No.	Price Each
				1-9
A22RS-2M-10	SPST-NO	28	86T5926	11.06

ILLUMINATED SELECTOR SWITCHES

A22RW-2MG-24A-10	SPST-NO	28	86T5929	41.87
A22RW-2MR-24A-11	SPST-NO / SPST-NC	28	86T5931	50.25

KEYLOCK SWITCHES

A22RK-2M-10	SPST-NO	Left	86T5905	36.39
A22RK-2ML-10	SPST-NO	Left or Right	86T5906	36.39

(202063)

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(198765)

SWITCHES – PILOT LIGHTS

22mm PILOT LIGHTS (CONT.)

Mfg. Part No.	Lens Color	Stock No.	Price Each
● M22-L-Y	Yellow	10R1836	9.10
● M22-L-B	Blue	10R1832	8.11

LED LIGHT UNITS

Mfg. Part No.	Description	Stock No.	Price Each
● M22-LED-W	White, 12-30VAC/VDC	10R1840	15.07
● M22-LED-R	Red, 12-30VAC/VDC	10R1839	15.07
● M22-LED-G	Green, 12-30VAC/VDC	10R1838	15.07
● M22-LED230-W	White, 85-264VAC/VDC, 50/60Hz	10R1852	22.03
● M22-LED230-R	Red, 85-264VAC/VDC, 50/60Hz	10R1851	22.03
● M22-LED230-G	Green, 85-264VAC/VDC, 50/60Hz	10R1850	22.03

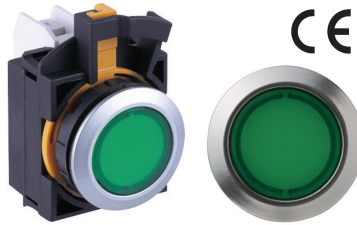
(148565)

CW SERIES 22MM FLUSH MOUNT PILOT LIGHTS

NEW



- Only 39.9mm depth behind the panel. Space-saving design.
- ø22.3mm mounting hole compliant with IEC 60947-5-1
- Black and metallic bezels available
- IP65 degree of protection (IEC 60529) from panel front



Mfg. Part No.	Bezel	Voltage	Color	Shape/ Lens	Stock No.	Price Each		
						1-24	25-49	50-99
● CW1P-1EQ3R	Black	12V AC/DC	Red	Round Flush	59T4346	27.01		
● CW1P-1EQ4R	Black	24V AC/DC	Red	Round Flush	60T2891	26.25		
● CW1P-1EQ4G	Black	24V AC/DC	Green	Round Flush	59T4347	27.01		
● CW1P-1EQHG	Black	100/120 VAC	Green	Round Flush	60T2861	28.28		
● CW1P-1EQHR	Black	100/120 VAC	Red	Round Flush	60T2863	28.28		
● CW1P-1EQHA	Black	100/120V AC/DC	Amber	Round Flush	59T4345	29.09		
● CW4P-1EQ3S	Metallic	12V AC/DC	Blue	Round Flush	59T4372	34.28		
● CW4P-1EQ4G	Metallic	24V AC/DC	Green	Round Flush	60T5435	28.28		
● CW4P-1EQ4R	Metallic	24V AC/DC	Red	Round Flush	60T5437	28.28		
● CW4P-1EQ4A	Metallic	24V AC/DC	Amber	Round Flush	60T5434	28.28		
● CW4P-1EQ4Y	Metallic	24V AC/DC	Yellow	Round Flush	59T4373	29.09		
● CW4P-1EQHG	Metallic	100/120 VAC	Green	Round Flush	60T5407	30.29		
● CW4P-1EQHR	Metallic	100/120 VAC	Red	Round Flush	59T4371	31.17		
● CW4P-1EQHA	Metallic	100/120 VAC	Amber	Round Flush	60T5406	30.29		
● CW1P-2EQ3R	Black	12V AC/DC	Red	Round Dome	59T4349	27.01		
● CW4P-2EQ3S	Metallic	12V AC/DC	Blue	Round Dome	59T4375	34.28		
● CW1P-2EQ4G	Black	24V AC/DC	Green	Round Dome	59T4350	27.01		
● CW4P-2EQ4G	Metallic	24V AC/DC	Green	Round Dome	60T5468	28.28		
● CW4P-2EQ4R	Metallic	24V AC/DC	Red	Round Dome	60T5470	28.28		
● CW4P-2EQ4A	Metallic	24V AC/DC	Amber	Round Dome	60T5467	28.28		
● CW4P-2EQ4Y	Metallic	24V AC/DC	Yellow	Round Dome	59T4376	29.09		
● CW4P-2EQHG	Metallic	100/120 VAC	Green	Round Dome	60T5440	30.29		
● CW4P-2EQHR	Metallic	100/120 VAC	Red	Round Dome	59T4374	31.17		
● CW4P-2EQHA	Metallic	100/120 VAC	Amber	Round Dome	60T5439	30.29		
● CW1P-2EQHA	Black	100/120 VAC	Amber	Round Dome	59T4348	29.09		

(202390)

30mm PILOT LIGHTS



- Dome lens
- Screw terminal
- Full-voltage type
- Incandescent lamp
- Include lens, lamp, operator, plus transformer
- Rated NEMA 1, 2, 3, 3R, 4, 4X, 5, 12, 13, IP65



Mfg. Part No.	Primary Type	Voltage	Color	Stock No.	Price Each		
					1-24	25-49	50-99
● APD199N-G-24V	Full Voltage	24VAC/DC	Green	74K3666	41.44	37.29	34.93
● APD199N-A-24V	Full Voltage	24VAC/DC	Amber	83C9018	35.88	30.36	30.36
● APD199N-R-24V	Full Voltage	24VAC/DC	Red	74K3668	38.24	36.14	34.93
● APD199N-S-24V	Full Voltage	24VAC/DC	Blue	15C2582	43.41	36.90	35.12
● APD199N-G-120V	Full Voltage	120VAC	Green	74K3665	41.44	37.29	34.93
● APD199N-R-120V	Full Voltage	120VAC	Red	74K3667	41.44	37.29	34.93

(3440)

22mm PILOT LIGHTS



- Dome lens
- Screw terminal
- Full voltage
- Include lens, lamp and operator



Mfg. Part No.	Voltage	Style	Color	Stock No.	Price Each		
					1-9	10-24	25-49
● APW299-R-24V	VDC	Incandescent	Red	74K3670	21.56	19.26	18.31
● APW299-A-24V	24VDC	Incandescent	Amber	15C2773	14.74	14.74	14.74
● APW299-G-24V	VDC	Incandescent	Green	74K3669	21.56	19.26	18.31
● APW299D-G-24V	24VAC/DC	LED	Green	74K3673	20.13	17.93	17.05
● APW299D-R-24V	24VAC/DC	LED	Red	74K3675	20.13	17.93	17.05
● APW299D-R-120V	120VAC/DC	LED	Red	74K3674	21.18	18.86	17.94
● APW299D-G-120V	120VAC/DC	LED	Green	74K3672	21.18	18.86	17.94
● APW299D-A-120V	120VAC/DC	LED	Amber	74K3671	21.18	18.86	17.94

(3429)

22mm LED PILOT LIGHTS

NEW



Flush Style, Plastic Bezel



Dome Style w/Transformer, Plastic Bezel



Jumbo Dome

- LED or incandescent lamps
- Round flush or domed lenses

- Meets IEC IP65 and NEMA 4, 4x, 13 ratings
- Plastic or nickel-plated aluminum bezel

All units shown are for use with LED lamps. May be mounted in IDEC's one-to-five hole enclosures; go online or call. Incandescent lamps also available; go online or call. UL listed, CSA certified, CE compliant, and TÜV approved.

120VAC TRANSFORMERS

Mfg. Part No.	Style	Color	Bezel	Stock No.	Price Each		
					1-24	25-49	50-99
● HW1P-1FH2D-G	Flush	Green	Plastic	74K3773	34.07	32.20	32.20
● HW4P-1FH2D-G	Flush	Green	Metal	74K3791	36.65	34.65	33.38
● HW4P-1FH2D-R	Flush	Red	Metal	74K3792	36.65	34.65	33.38
● HW4P-1FH2D-A	Flush	Amber	Metal	92C3163	32.11	30.34	30.34

24VAC/DC FULL VOLTAGES

● HW1P-2FQD-G-24V	Dome	Green	Plastic	74K3780	18.91	17.88	17.23
● HW1P-2FQD-R-24V	Dome	Red	Plastic	74K3781	18.91	17.88	17.23
● HW1P-2FQD-A-24V	Dome	Amber	Plastic	78K185	18.91	17.88	17.23
● HW1P-1FQD-G-24V	Flush	Green	Plastic	74K3776	18.91	17.88	17.23
● HW1P-1FQD-R-24V	Flush	Red	Plastic	74K3777	18.91	17.88	17.23
● HW1P-1FQD-A-24V	Flush	Amber	Plastic	74K3775	18.91	17.88	17.23
● HW4P-1FQD-G-24V	Flush	Green	Metal	74K3793	19.23	18.17	18.17
● HW4P-1FQD-R-24V	Flush	Red	Metal	74K3794	20.04	18.95	18.26

24VAC/DC FULL VOLTAGE JUMBO DOME

● HW1P-5Q4-G	Dome	Green	Plastic	79K3741	87.79	83.01	79.13
● HW1P-5Q4-R	Dome	Red	Plastic	79K3748	87.79	83.01	79.13
● HW1P-5Q4-A	Dome	Amber	Plastic	79K3737	87.79	83.01	79.13

(13242)

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(196560)

SWITCHES – PUSHBUTTON STANDARD

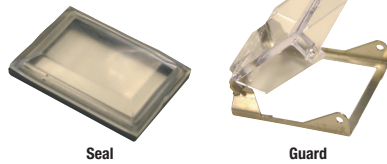
AML75 PANEL SEALS/
AML76 SWITCH GUARDS



Honeywell

Sensing and Control

Protect displays from contamination by dust, dirt, or spills. No effect on color, light intensity, or legend quality. Fit both 0.19" (4.83) standard-height square or rectangular pushbuttons.



Seal

Guard

AML75 PANEL SEALS

Mfg. Part No.	Pushbutton Shape	Stock No.	Price Each		
			1-24	25-49	50+
● AML75ABC	Square	23F4468	6.43	6.11	5.79
● AML75BBC	Rectangular	23F4469	5.65	5.34	5.09

AML76 SWITCH GUARDS

For square and rectangular pushbuttons, these clear, polycarbonate thermoplastic guards prevent accidental push-button operation. The word "LIFT" is molded into top front edge of guard. Bracket bright-finished stainless steel.

Mfg. Part No.	Description	Stock No.	Price Each		
			1-24	25-49	50+
● AML76C10T01P	Square	23F4474	9.00	8.42	7.77
● AML76F10T01P	Rectangular	23F5001	10.67	9.61	8.92

(4925)

HE6B ENABLING SWITCHES



- Rated insulation voltage: 125V (monitor switch: 250V)
- Current rating: 3A
- Operating temperature: -25 to +60°C
- Ergonomically-designed OFF-ON-OFF operation
- The switch does not turn ON while returning from position 3 (OFF) to position 1 (OFF)
- Two contacts are provided in a 3-position enabling switch so that even if one contact fails, the other contact will still disable machine operation.
- The waterproof rubber boot provides IP65 protection



Mfg. Part No.	Contact configuration/No. of Contacts			Color	Stock No.	Price Each
	3-position Switch	Button Return Monitor Switch	Button Depress Monitor Switch			
● HE6B-M200Y	2	0	0	Yellow	45T6785	33.05
● HE6B-M200B	2	0	0	Black	45T6784	33.05
● HE6B-M211Y	2	1	1	Yellow	45T6787	38.38
● HE6B-M211B	2	1	1	Black	45T6786	38.38

ACCESSORIES

Mfg. Part No.	Description	Stock No.	Price Each	
			1-9	1-9
● HE9Z-D6B	Replacement Rubber Boot, Black	45T6788	6.17	
● HE9Z-D6Y	Replacement Rubber Boot, Yellow	45T6789	6.17	

(196380)

48 SERIES SEALED
PUSHBUTTON SWITCHES



- Meets IP67 standards
- Modular components can make over 1000 distinct parts
- Lighted or non-illuminated
- Solder Terminals
- Contact Rating: 400mA, 32VAC

Series 48 Flex-Tech sealed pushbutton is ideal for: medical equipment, instrumentation, datacom, transportation, recreational vehicles, outdoor controls, and mass transit controls. Available in momentary or alternate action with a variety of colors in keycaps; (On) = Momentary, On = Maintained.

Mfg. Part No.	Style	Circuit	Color	Stock No.	Price Each	
					1-4	5-9
● 48-1-RB-N-BK-B	Round	(On)	Black	21K5012	9.49	9.04
● 48-1-RB-N-RD-B	Round	(On)	Red	21K5013	9.49	9.04
● 48-1-RB-R-BK-B	Round	(On)	Black	26M8625	10.71	10.20
● 48-2-RB-N-BK-B	Round	On	Black	21K5016	9.01	8.58

▶ CONTINUED ▶

48 SERIES SEALED PUSHBUTTON SWITCHES (CONT.)

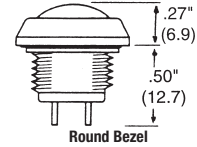
Mfg. Part No.	Style	Circuit	Color	Stock No.	Price Each	
					1-4	5-9
● 48-2-RB-N-RD-B	Round	On	Red	21K5017	11.73	10.69
● 48-2-SB-N-BK-B	Square	On	Black	21K5018	11.73	10.69

(84003)

49 SERIES SEALED
PUSHBUTTON SWITCHES



Round Bezels



Round Bezel

- SPST-NO-DB
- Momentary Action 400mA @ 32VAC Resistive; 100mA @ 50VDC Resistive, 125mA @ 125VAC Resistive.

High-environment pushbutton switches designed for compact applications and protection from electrostatic discharge. Panel sealed IP67. Thermoplastic case. Gold-plated contacts.

Mfg. Part No.	Description	Stock No.	Price Each	
			1-9	1-9
● 49111	Round Bezel, Black Button	01F986	15.77	
● 49112	Round Bezel, Red Button	01F987	15.77	
● 49113	Round Bezel, Green Button	01F988	15.77	
● 49411G	Round Bezel, Black, Green LED	01F989	19.85	

(13057)

59 SERIES SEALED
PUSHBUTTON SWITCHES



- Zinc alloy housing
- Circuit: SPST-NO, Form X
- Dielectric strength: 1000VAC @ 125°C
- Current rating: 400mA @ 32VAC resistive; 100mA @ 50VDC resistive; 125mA @ 125VAC resistive
- Operating temperature: -55°C to 125°C (-67°F to +257°F)

59 series is sealed to IP67. Mounts on panels of minimum .0625" (1.5mm) and maximum 0.118" (3.00). Button material: PBT. Contacts: gold-plated palladium nickel. Terminals: gold-plated brass.

Mfg. Part No.	Bezel	Color	Stock No.	Price Each	
				1-9	1-9
● 59-111	Standard Round	Black	50F1487	12.95	
● 59-112	Standard Round	Red	50F1488	12.95	
● 59-113	Standard Round	Green	50F1489	12.95	
● 59-211	Standard Square	Black	84F1008	12.50	
● 59-212	Standard Square	Red	50F1490	12.10	
● 59-213	Standard Square	Green	50F1491	11.46	
● 59-311	High Round	Black	50F1492	13.80	
● 59-312	High Round	Red	50F1494	14.16	
● 59-313	High Round	Green	50F1493	14.16	

(5100)

UNDERVOLTAGE PROTECTION
PUSHBUTTON SWITCHES



UP1-3TF

UP1-5TF

UP1-7/8TF

- 2-pole switch with undervoltage release and restart protection
- Remote trip version
- Snap-in or screw-on version
- Protection covers for IP 54 or IP 65

Mfg. Part No.	Rated Voltage (V)	Frequency (Hz)	Protection Cover	Stock No.	Price Each	
					1-9	1-9
● 4431.1007	230	50	Yes	41T1941	23.04	
● 4431.1043	230	50	Yes	41T1975	27.29	
● 4431.1044	120	60	Yes	41T1976	27.29	

▶ CONTINUED ▶

SWITCHES – PUSHBUTTON 16MM

61 SERIES 16mm LIGHTED PUSHBUTTON SWITCHES (CONT.)

STEP 1B: FLUSH MOUNT ADAPTERS

Mfg. Part No.	Shape	Color	Material	Stock No.	Price Each	
					1-24	25+
● 61-9930.0	Square	Black	Plastic	48F3716	3.17	2.90
● 61-9933.0	Round	Natural	Anodized Aluminum	10C2530	8.26	...
● 61-9933.10	Round	Black	Plastic	48F3717	3.36	3.07

STEP 2: LENSES STANDARD MOUNT

Mfg. Part No.	Shape	Color	Stock No.	Price Each	
				1-24	25+
● 61-9331.2	Rectangular	Red	29C2988	1.85	1.72
● 61-9331.3	Rectangular	Orange	02J7267	1.62	1.57
● 61-9331.4	Rectangular	Yellow	01C2396	1.77	1.72
● 61-9331.5	Rectangular	Green	23C8001	1.85	1.72
● 61-9331.6	Rectangular	Blue	23C8003	1.85	1.72
● 61-9331.7	Rectangular	White	23C8005	1.85	1.72
● 61-9321.2	Square	Red	09C9732	1.62	1.57
● 61-9321.4	Square	Yellow	29C5643	1.62	1.57
● 61-9321.5	Square	Green	02C6555	1.85	1.72
● 61-9311.3	Round	Orange	70C5291	1.62	1.57
● 61-9311.5	Round	Green	70C5286	1.85	1.72
● 61-9311.7	Round	White	02J7257	1.62	1.57

STEP 2: LENSES FLUSH MOUNT

● 61-9681.2	Rectangular		95B8272	2.06	1.92
● 61-9681.5	Rectangular	Green	95B8273	2.06	1.92
● 61-9681.6	Rectangular	Blue	97H5999	2.06	1.92
● 61-9681.7	Rectangular	White	13C3191	1.81	1.76
● 61-9671.2	Square	Red	48F3719	1.98	1.92
● 61-9671.4	Square	Yellow	95B8269	1.81	1.76
● 61-9671.5	Square	Green	48F3720	2.06	1.92
● 61-9671.7	Square	White	95B8271	1.81	1.76
● 61-9642.2	Round	Red	48F3721	3.95	3.84
● 61-9642.4	Round	Yellow	97B2958	3.61	3.51
● 61-9642.5	Round	Green	14C7519	4.12	3.84
● 61-9642.6	Round	Blue	10C2527	3.61	3.51
● 61-9642.7	Round	White	03H8418	3.95	3.84

STEP 4: ILLUMINATION

Mfg Part No.	Forward Voltage	Description	Stock No.	Price Each	
				1-24	25+
● 10-2J06.3142	6VDC	Red	82K8958	9.32	
● 10-2J06.3144	6VDC	Yellow	82K8959	9.98	
● 10-2J06.3145	6VDC	Green	82K8960	10.35	
● 10-1307.1369	6.3VDC	Lamp	10C2740	2.33	
● 10-2J09.1062	12VAC/DC	Red	82K8963	9.06	
● 10-2J09.1064	12VAC/DC	Yellow	82K8964	9.06	
● 10-2J09.1065	12VAC/DC	Green	82K8965	9.06	
● 10-1310.1319	14VDC	Lamp	01M9804	2.09	
● 10-2312.1062	24VAC/DC	Red	76K1093	9.10	
● 10-2312.1064	24VAC/DC	Yellow	76K1094	9.32	
● 10-2312.1065	24VAC/DC	Green	76K1095	9.10	
● 10-1313.1249	28VDC	Lamp	76K1089	2.04	
● 10-2J13.1062	28VAC/DC	Red	80K6966	9.06	
● 10-2J13.1064	28VAC/DC	Yellow	27M9673	8.80	
● 10-2J13.1065	28VAC/DC	Green	82K8969	8.80	
● 10-2J13.1066	28VAC/DC	Blue	82K8970	12.84	

STEP 5: ACCESSORIES AND TOOLS

Mfg. Part No.	Description	Stock No.	Price Each	
			1-24	25+
● 61-9711.0	Contact Block Remover	30B4862	6.65	6.16
● 61-9740.0	LED/Lamp Remover	29H3481	2.03	1.88
● 02-905	Standard Lens Remover	50F8269	5.00	4.63
● 31-946	Female Tab, 0.110"x0.020"	30B4196	0.55	...
● 31-929	Insulator Sleeve, 0.110"x0.020"	30B4193	0.38	...
● 01-907	Mounting Wrench	50F8271	4.89	4.53
● 61-9730.0	Flush Lens Remover	97F7715	3.36	3.05

KITS

Mfg. Part No.	Circuitry	Action	Shape	Stock No.	Price Each	
					1-24	25-249
● 61-1330.022X	DPST-NO	Convertible	Rectangular	84F1505	24.38	22.78

(5021)

LB SERIES MINIATURE PUSHBUTTON SWITCHES (REMOVABLE CONTACT)



NEW



Standard bezel



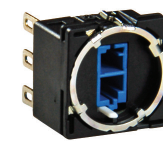
Flush mount bezel



Operator (Standard)



Operator (Flush mount)



Contact block



Button/Lens

- Sleek flush mount design (Round:18mm, Square:18mm x 18mm, Rectangular:18x24 mm hole size)
- Standard bezel with 16mm hole size also available
- Panel depth of only 27.9mm (Standard bezel)
- 5A contact ratings
- 3PDT contact blocks available
- Black or metallic bezels available
- Super bright LED illumination
- IP65 degree of protection



OPERATOR (STANDARD)

LED module

Mfg. Part No.	Shape	Function	Bezel	Stock No.	Price Each
					1-99
LB1L-MO	Round	Momentary	Black	92T0463	6.16
LB2L-MO	Square	Momentary	Black	92T0474	6.16
LB3L-MO	Rectangular	Momentary	Black	92T0481	6.16
LB1L-AO	Round	Maintained	Black	92T0462	9.99
LB2L-AO	Square	Maintained	Black	92T0473	9.99
LB3L-AO	Rectangular	Maintained	Black	92T0480	9.99

OPERATORS (FLUSH MOUNT)

LB6ML-MO	Round	Momentary	Metallic	92T0483	15.51
LB7ML-MO	Square	Momentary	Metallic	92T0487	15.51
LB8ML-MO	Rectangular	Momentary	Metallic	92T0489	15.51
LB6L-MO	Round	Momentary	Black	92T0482	6.16

CONTACT BLOCKS

Mfg. Part No.	Terminal Style	Illumination	Contact	Stock No.	Price Each
					1-49
LB-75	Solder/Tab	Non-illuminated	SPDT	92T0451	7.86
LB-76	Solder/Tab	Non-illuminated	DPDT	92T0453	11.07
LB-77	Solder/Tab	Non-illuminated	3PDT	92T0455	14.45
LB-73V	PCB	Non-illuminated	3PDT	92T0450	14.45
LB-750	Solder/Tab	illuminated	SPDT	92T0452	10.03
LB-760	Solder/Tab	illuminated	DPDT	92T0454	13.17
LB-720V	PCB	illuminated	DPDT	92T0449	13.17

BUTTON/LENS

Mfg. Part No.	Shape	Illumination	Color	Stock No.	Price Each
					1-49
LB1A-B1G	Round	Non-illuminated	Green	92T0457	3.00
LB1A-B1R	Round	Non-illuminated	Red	92T0458	3.00
LB1A-B1B	Round	Non-illuminated	Black	92T0456	3.00
LB2A-B1G	Square	Non-illuminated	Green	92T0467	3.00
LB2A-B1R	Square	Non-illuminated	Red	92T0468	3.00
LB2A-B1Y	Square	Non-illuminated	Yellow	92T0469	3.00
LB3A-B1G	Rectangular	Non-illuminated	Green	92T0475	3.00
LB3A-B1R	Rectangular	Non-illuminated	Red	92T0476	3.00
LB1A-L1G	Round	illuminated	Green	92T0460	3.00
LB1A-L1R	Round	illuminated	Red	92T0461	3.00
LB1A-L1A	Round	illuminated	Amber	92T0459	3.00
LB2A-L1G	Square	illuminated	Green	92T0471	3.00
LB2A-L1R	Square	illuminated	Red	92T0472	3.00
LB2A-L1A	Square	illuminated	Amber	92T0470	3.00
LB3A-L1G	Rectangular	illuminated	Green	92T0478	3.00
LB3A-L1R	Rectangular	illuminated	Red	92T0479	3.00
LB3A-L1A	Rectangular	illuminated	Amber	92T0477	3.00

LED MODULES

Mfg. Part No.	Voltage	Color	Stock No.	Price Each
				1-99
LB92-LED2G	24V DC/AC	Green	92T0493	6.28
LB92-LED2R	24V DC/AC	Red	92T0494	6.28
LB92-LED2A	24V DC/AC	Amber	92T0492	6.28

▶ CONTINUED ▶

SWITCHES – PUSHBUTTON 16MM

LB SERIES MINIATURE PUSHBUTTON SWITCHES (REMOVABLE CONTACT) (CONT.)

Mfg. Part No.	Voltage	Color	Stock No.	Price Each		
				1-99	10-24	25-49
LB9Z-LED1G	12V DC/AC	Green	92T0491	6.28		
LB9Z-LED5G	5V DC	Green	92T0495	6.28		

(52070)

16mm SWITCH SUBASSEMBLY COMPONENTS



Pushbutton Operators



Standard Buttons



Standard Lenses

COMPLETE UNITS

All are DPDT, momentary action except (*) SPDT. Units with maintained action also available; go online or call.

Mfg. Part No.	Shape	Illumination	Stock No.	Price Each		
				1-24	25-49	50-99
AB6M-M1-G	Round	Non Illuminated	30B5587	10.17	9.10	8.65
AB6M-M2P-B	Round	Non Illuminated	30B5622	14.10	12.61	11.98
AL6Q-M14-G	Square	Illuminated	96B2925	14.64	13.09	12.44
AL6Q-M14P-S	Square	Non Illuminated	15C0777	15.63	13.98	13.28
AL6Q-M14-R	Square	Illuminated	96B8877	14.64	13.09	12.44
AB6M-V1P-R	Mushroom	Non Illuminated	30B5634	20.22	18.08	17.19

OPERATOR BASES

Mfg. Part No.	Shape	Illumination	Stock No.	Price Each		
				1-99	10-24	25-49
AB6M-M200	Round	Non Illuminated	74K3621	9.83	9.24	9.02
AL6M-M200	Round	Illuminated	74K3659	8.41	7.52	7.16
AL6M-P00	Round	Pilot Light	74K3660	2.55	2.26	2.16
AB6H-M100*	Rectangular	Non Illuminated	30B5506	7.37	6.92	6.76
AB6H-M200	Rectangular	Non Illuminated	74K3617	8.83	8.83	9.02
AL6H-M100*	Rectangular	Illuminated	74K3650	6.12	5.48	5.21
AL6H-M200	Rectangular	Illuminated	74K3651	8.41	7.52	7.16
AL6H-P00	Rectangular	Pilot Light	74K3652	2.13	2.01	2.01
AB6Q-M200	Square	Non Illuminated	74K3625	9.67	9.24	9.02
AL6Q-M200	Square	Illuminated	74K3664	8.41	7.52	7.16
AL6Q-P00	Square	Pilot Light	86K0512	2.13	2.01	2.01

BUTTONS

Waterproof, oiltight and corrosion-resistant to IP65.

Mfg. Part No.	Shape	Color	Size	Stock No.	Price Each		
					1-9	10-24	25-49
AB6M-BK2-B	Round	Black	Standard Size	74K3618	4.36	3.68	3.45
AB6M-BK2-G	Round	Green	Standard Size	74K3619	4.36	3.68	3.45
AB6M-BK2-R	Round	Red	Standard Size	74K3620	4.36	3.68	3.45
AB6Q-BK2-G	Square	Green	Standard Size	74K3623	3.50	2.98	2.98
AB6Q-BK2-R	Square	Red	Standard Size	74K3624	3.50	2.98	2.98
AB6H-BK2-B	Rectangular	Black	Standard Size	74K3615	3.96	3.37	3.37
AB6H-BK2-G	Rectangular	Green	Standard Size	74K3616	3.83	3.26	3.26
AB6H-BK2-R	Rectangular	Red	Standard Size	96F4042	4.36	3.68	3.45

LENSES

LK1 = Dustproof to IP40. LK2 = Oiltight to IP65.

Mfg. Part No.	Shape	Color	Size	Stock No.	Price Each		
					1-9	10-24	25-49
AL6M-LK2-A	Round	Amber	Standard Size	74K3653	3.78	3.78	3.38
AL6M-LK2-G	Round	Green	Standard Size	74K3654	3.78	3.78	3.38
AL6M-LK2-R	Round	Red	Standard Size	74K3655	3.78	3.78	3.38
AL6Q-LK2-A	Square	Amber	Standard Size	74K3661	3.49	3.49	3.26
AL6Q-LK2-G	Square	Green	Standard Size	74K3662	3.78	3.78	3.38
AL6Q-LK2-R	Square	Red	Standard Size	74K3663	3.78	3.78	3.38
AL6Q-LK1-W	Square	White	Standard Size	83C8849	1.99	1.88	1.88
AL6H-LK1-W	Rectangular	White	Standard Size	23C1653	2.33	2.33	2.18
AL6H-LK2-A	Rectangular	Amber	Standard Size	74K3645	3.76	3.76	3.36
AL6H-LK2-G	Rectangular	Green	Standard Size	74K3646	3.76	3.76	3.36
AL6H-LK2-R	Rectangular	Red	Standard Size	74K3647	3.76	3.76	3.36
AL6H-LK2-W	Rectangular	White	Standard Size	74K3648	3.76	3.76	3.36
AL6H-LK2-Y	Rectangular	Yellow	Standard Size	83C8808	3.17	3.17	2.96
AL6M-LK3-A	Round	Amber	Standard Pilot Light	74K3656	3.49	3.49	3.26
AL6M-LK3-G	Round	Green	Standard Pilot Light	74K3657	3.49	3.49	3.26
AL6M-LK3-R	Round	Red	Standard Pilot Light	74K3658	3.78	3.78	3.38

LED LAMPS

Mfg. Part No.	Voltage (VAC/DC)	Current (mA)	Color	Stock No.	Price Each		
					1-24	25-49	50-99
LATD-6A	6	30	Amber	74K3825	6.40	5.74	5.48
LATD-6G	6	30	Green	74K3826	6.40	5.74	5.48
LATD-6R	6	30	Red	74K3827	6.40	5.74	5.48
LATD-6JW	6	30	Cool White	05N0144	5.31	5.00	5.00

CONTINUED

16mm SWITCH SUBASSEMBLY COMPONENTS (CONT.)

Mfg. Part No.	Voltage (VAC/DC)	Current (mA)	Color	Stock No.	Price Each		
					1-24	25-49	50-99
LATD-1A	12	20	Amber	74K3819	6.40	5.74	5.48
LATD-1G	12	20	Green	74K3820	6.40	5.74	5.48
LATD-1R	12	20	Red	74K3821	6.40	5.74	5.48
LATD-2A	24	10	Amber	74K3822	6.40	5.74	5.48
LATD-2G	24	10	Green	74K3823	6.40	5.74	5.48
LATD-2R	24	10	Red	74K3824	6.40	5.74	5.48
LATD-2W	24	10	Cool White	45C7097	6.40	5.74	5.48

(3412)

R13 SERIES MINIATURE PUSHBUTTON SWITCHES



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6

Features:

- Illuminated actuators are moulded in PC
- Snap-in mounting, easy to install switch into panel
- Water proof and dust proof to fit IP-66
- R13-527, R13-548: Nylon frame and silver plated brass terminals
- R13-24: PBT actuators, nickel plated metal frame and phenolic base
- R13-509: Nylon actuator and frame and silver plated brass terminals
- R13-23: ABS actuator and phenolic base
- R13-502: Nylon frame and silver plated brass terminals; M types are nickel plated brass metal frame

Specifications:

- Contact rating: 3A at 125Vac; 1.5A at 250Vac; R-13-527: 10A at 125Vac; 6A at 250Vac
- Maximum contact resistance: 50mΩ
- Minimum insulation resistance: 500Vdc, 100MΩ
- Dielectric strength: 1000Vac for 1 minute

Mfg. Part No.	Fig.	Current (A)	Circuitry	Action	Actuator Color	Termination	Stock No.	Price Each
								1-99
R13-502A-05-B	1	3	SPST	Off-(On)	...	Solder	03P2485	1.46
R13-502A-05-R	1	3	SPST	Off-(On)	...	Solder	03P2486	1.46
R13-502MA-05-B	1	3	SPST	Off-(On)	...	Solder	03P2487	2.62
R13-502MA-05-R	1	3	SPST	Off-(On)	...	Solder	03P2488	2.62
R13-502MC-05-B	1	3	SPDT	On-(On)	...	Solder	03P2489	3.21
R13-502MC-05-R	1	3	SPDT	On-(On)	...	Solder	03P2490	3.21
R13-23A-05-BB	2	3	SPST	Off-(On)	Black	Solder	03P2459	1.81
R13-23A-05-BG	2	3	SPST	Off-(On)	Green	Solder	03P2460	1.90
R13-23A-05-BR	2	3	SPST	Off-(On)	Red	Solder	03P2461	1.81
R13-23A-05-BW	2	3	SPST	Off-(On)	White	Solder	03P2462	1.81
R13-23B-05-BB	2	3	SPST	On-Off	Black	Solder	03P2463	1.76
R13-23B-05-BG	2	3	SPST	On-Off	Green	Solder	03P2464	1.76
R13-23B-05-BR	2	3	SPST	On-Off	Red	Solder	03P2465	1.76
R13-23B-05-BW	2	3	SPST	On-Off	White	Solder	03P2466	1.76
R13-548A-05-BB	3	3	SPST	Off-(On)	Black	Solder	03P2503	1.90
R13-548B-05-BB	3	3	SPST	On-Off	Black	Solder	03P2504	0.91
R13-548CL-05-BG	3	3	SPST	...	Green	Solder	03P2505	1.02
R13-548CL-05-BR	3	3	SPST	...	Red	Solder	03P2506	1.70
R13-548DL-05-BG	3	3	SPST	...	Green	Solder	03P2507	1.09
R13-548DL-05-BR	3	3	SPST	...	Red	Solder	03P2508	1.09
R13-509A-05-BB	4	3	SPST	Off-(On)	Black	Solder	03P2491	1.47
R13-509A-05-BR	4	3	SPST	Off-(On)	Red	Solder	03P2492	1.47
R13-509B-05-BB	4	3	SPST	On-(Off)	Black	Solder	03P2493	1.47
R13-509B-05-BR	4	3	SPST	On-(Off)	Red	Solder	03P2494	1.55
R13-24A-05-BB	5	3	SPST	Off-(On)	Black	Solder	03P2471	1.53
R13-24A-05-BR	5	3	SPST	Off-(On)	Red	Solder	03P2472	1.53
R13-24AL-05-BB	5	3	SPST	Off-(On)	Black	Solder	03P2473	1.59
R13-24AL-05-BR	5	3	SPST	Off-(On)	Red	Solder	03P2474	1.59
R13-24B-05-BB	5	3	SPST	On-(Off)	Black	Solder	03P2475	1.61
R13-24B-05-BR	5	3	SPST	On-(Off)	Red	Solder	03P2476	1.53
R13-24BL-05-BB	5	3	SPST	On-(Off)	Black	Solder	03P2477	0.75
R13-24BL-05-BR	5	3	SPST	On-(Off)	Red	Solder	03P2478	1.19
R13-527C-02-BB	6	10	SPST	Off-(On)	Black	Quick Connect	03P2499	2.33

CONTINUED

SWITCHES – PUSHBUTTON 22MM

22mm PUSHBUTTONS (CONT.)

LEGEND PLATES

Mfg. Part No.	Inscription	Stock No.	Price Each
● M22S-ST-GB0	STOP	10R1948	2.00
● M22S-ST-GB1	START	10R1949	2.00
● M22S-ST-GB5	OFF	10R1953	2.00
● M22S-ST-GB6	ON	10R1954	2.00
● M22S-ST-GB7	RUN	10R1955	2.00
● M22S-ST-GB8	FAULT	10R1956	2.00
● M22S-ST-X52	1	10R1958	2.64
● M22S-ST-X53	2	10R1959	2.64
● M22-XAK5	For use with E-Stop, 90mm, Yellow	10R1882	4.53
● M22-XBK5	For use with E-Stop, 60mm, Yellow	10R1885	4.95

ACCESSORIES

Mfg. Part No.	Description	Stock No.	Price Each
● M22-XGWK	Guard Ring for Pushbuttons, Black	10R1893	10.49
● M22-XGPV	Guard Ring for Pushbuttons, Yellow	10R1892	20.78
● M22G-XGPV	Guard Ring for Pushbuttons, Gray	10R1912	11.76
● M22-IVS	DIN Rail Mounting Adapter for Pushbuttons	10R1823	9.84
● M22-MS	Mounting Ring Tool for Pushbuttons	10R1853	9.23
● M22-T-DD	Protective Diaphragm for Double Pushbuttons	10R1867	3.39
● M22-ADC	Dust Cover for maximum of 3 Pushbutton Contact Blocks	10R1768	13.25
● M22-ADC4	Dust Cover for maximum of 4 Pushbutton Contact Blocks	10R1769	13.25

(148561)

CW SERIES 22MM FLUSH MOUNT PUSHBUTTON SWITCHES

NEW



- Rated insulation voltage: 300V
- Rated thermal current: 10A
- Operating temperature: non-illuminated -25 to +60°C, LED illuminated -25 to +55°C
- Contact resistance: 50 mohm maximum (initial value)
- 22.3mm mounting hole compliant with IEC 60947-5-1
- 3.5-mm operator travel for pushbuttons ensures comfortable and reliable operation
- Black and metallic bezels available



Non-illuminated Pushbutton Illuminated Pushbutton

NON-ILLUMINATED PUSHBUTTON SWITCHES MOMENTARY FUNCTION

Mfg. Part No.	Bezel	Contacts	Colors	Shape/ Lens	Stock No.	Price Each
● CW1B-M1E11G	Black	SPST-NO / SPST-NC	Green	Round-Flush	59T4332	19.29
● CW4B-M1E11R	Metallic	SPST-NO / SPST-NC	Red	Round-Flush	59T4358	20.90
● CW1B-M1E02G	Black	DPST-NC	Green	Round-Flush	59T4331	19.29
● CW4B-M1E01R	Metallic	SPST-NC	Red	Round-Flush	59T4357	14.47
● CW1B-M2E11G	Black	SPST-NO / SPST-NC	Green	Round-Extended	59T4334	19.29
● CW4B-M2E11R	Metallic	SPST-NO / SPST-NC	Red	Round-Extended	59T4360	20.90
● CW1B-M2E02G	Black	DPST-NC	Green	Round-Extended	59T4333	19.29
● CW4B-M2E01R	Metallic	SPST-NC	Red	Round-Extended	59T4359	14.47

NON-ILLUMINATED PUSHBUTTON SWITCHES MAINTAINED FUNCTION

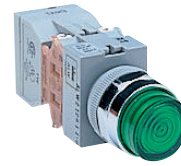
● CW1B-A1E11B	Black	SPST-NO / SPST-NC	Black	Round-Flush	92T1771	22.50
● CW1B-A1E11G	Black	SPST-NO / SPST-NC	Green	Round-Flush	92T1772	22.50
● CW1B-A1E11R	Black	SPST-NO / SPST-NC	Red	Round-Flush	92T1773	22.50
● CW4B-A1E11S	Metallic	SPST-NO / SPST-NC	Blue	Round-Flush	92T1774	24.11
● CW4B-A1E11G	Metallic	SPST-NO / SPST-NC	Green	Round-Flush	92T1775	24.11
● CW4B-A1E11R	Metallic	SPST-NO / SPST-NC	Red	Round-Flush	92T1776	24.11

ILLUMINATED PUSHBUTTON SWITCHES MOMENTARY FUNCTION (LED 24V AC/DC)

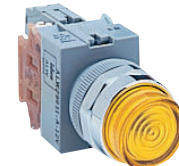
● CW1L-M1E11Q4G	Black	SPST-NO / SPST-NC	Green	Round-Flush	59T4342	52.05
● CW4L-M1E11Q4R	Metallic	SPST-NO / SPST-NC	Red	Round-Flush	59T4368	54.28
● CW1L-M1E02Q4G	Black	DPST-NC	Green	Round-Flush	59T4341	52.05
● CW4L-M1E01Q4R	Metallic	SPST-NC	Red	Round-Flush	59T4367	45.41
● CW1L-M2E11Q4G	Black	SPST-NO / SPST-NC	Green	Round-Extended	59T4344	52.05
● CW4L-M2E11Q4R	Metallic	SPST-NO / SPST-NC	Red	Round-Extended	59T4370	54.28
● CW1L-M2E02Q4G	Black	DPST-NC	Green	Round-Extended	59T4343	52.05
● CW4L-M2E01Q4R	Black	SPST-NC	Red	Round-Extended	59T4369	45.41

(197025)

22mm ILLUMINATED PUSHBUTTONS



Transformer Type



Full Voltage Type

Screw terminal units include lens, lamp, operator, lamp holder, contact block, and transformer or direct voltage adapter. 1N.O.-N.C. contacts. Momentary action. Non-marking extended round lens. Rated NEMA 1, 2, 3, 3R, 4, 4X, 5, 12, 13, IP65. UL listed, CSA certified, CE compliant.

TRANSFORMER TYPES

Mfg. Part No.	Lens Color	Description	Style	Stock No.	Price Each		
● ALW212611-G	Green	Incandescent	120VAC	74K3640	1-24	25-49	50-99

FULL VOLTAGE TYPES

● ALW29911-G-24	Green	Incandescent	24V Lamp	74K3641	39.05	35.16	33.20
● ALW29911D-R-120	Red	LED	120V LED	74K3644	35.52	31.77	30.19
● ALW29911D-G-120	Green	LED	120V LED	74K3643	35.52	31.77	30.19
● ALW29911D-A-120	Amber	LED	120V LED	74K3642	35.52	31.77	30.19

LENSES

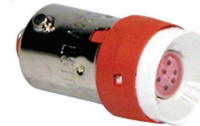
Mfg. Part No.	Lens Color	Description	Shape	Stock No.	Price Each	
● ALW2LU-A	Amber	Incandescent	Round	74K3639	1-24	25-49
● ALW2LU-G	Green	Incandescent	Round	84C9081	1.98	1.77
● ALW2LU-R	Red	Incandescent	Round	74C0743	1.98	1.77

(3430)

LED LAMPS



Contains a current-limiting resistor and a protection diode. Available in 24V and 120V versions in a range of colors. Also available in blue; go online or call.



Mfg. Part No.	Voltage (V)	Color	Stock No.	Price Each			
● LSTD-6R	6	Red	74K3876	6.12	5.86	5.61	5.41
● LSTD-6G	6	Green	84C6114	6.12	5.86	5.61	5.41
● LSTD-2A	24	Amber	74K3870	6.12	5.86	5.61	5.41
● LSTD-2G	24	Green	74K3871	6.12	5.86	5.61	5.41
● LSTD-2R	24	Red	74K3872	6.12	5.86	5.61	5.41
● LSTD-2W	24	White	74K3874	6.12	5.86	5.61	5.41
● LSTD-H2A	120	Amber	74K3866	9.17	8.79	8.40	8.12
● LSTD-H2G	120	Green	74K3867	9.17	8.79	8.40	8.12
● LSTD-H2R	120	Red	74K3868	9.17	8.79	8.40	8.12
● LSTD-H2W	120	White	74K3869	9.17	8.79	8.40	8.12

(3604)

22mm SELECTOR SWITCHES



Screw terminal units include insert, handle, operator, contact blocks. Black knob. Rated NEMA 1, 2, 3, 3R, 4, 4X, 5, 12, 13; IP65. Keylock only NEMA 1, 2, 3, 5, 13. UL listed, CSA certified.



KNOB ACTUATOR

Mfg. Part No.	Positions	Action	Circuitry	Stock No.	Price Each			
● ASW220	2	On-(On)	DPDT-2NO	74K3680	27.08	24.17	23.01	21.73
● ASW320	3	On-(On)	2 SPST-NO	74K3681	27.08	24.17	23.01	21.73
● ASW211	2	On-(On)	DPST-1NO/1NC	74K3679	27.08	24.17	23.01	21.73
● ASW210	2	On-(On)	SPST-NO	74K3678	19.95	17.81	16.95	16.01
● ASW3320	3	...	2 SPST-NO	74K3682	29.46	26.31	25.03	23.64

LEVER ACTUATOR

● ASW2L11	2	On-(On)	DPST-1NO/1NC	95B0329	27.08	24.17	23.01	21.73
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KEYLOCK ACTUATOR

● ASW2K10	2	On-(On)	SPST-NO	15C5572	39.42	36.84	34.80	34.80
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SWITCHES – PUSHBUTTON 22MM

22mm SELECTOR SWITCHES (CONT.)

ACCESSORIES

Mfg. Part No.	Positions	Action	Circuitry	Stock No.	Price Each			
					1-9	10-24	25-49	50-99
ASWHYH-B (3431)	Selector Knob, Black			95B0449	1.61	1.49	1.40	1.33

22mm ILLUMINATED PUSHBUTTON SWITCHES



- LED lamp, full voltage, rated 24VAC/VDC
- Momentary action
- SPST-NO, SPST-NC contacts
- IP65 and NEMA 4/4x/13

Operating temperature range: -25°C to +50°C. Mechanical life: 5,000,000 operations. Meets IEC, UL listed, CSA certified, CE compliant, and TÜV approved. May be mounted in IDEC's one-to-five hole enclosures.

Mfg. Part No.	Shape	Head Style	Lens Color	Bezel	Stock No.	Price Each		
						1-24	25-49	
HW1L-M1F11QD-R-24V	Round	Flush	Red	Plastic	74K3769	35.24	33.39	
HW1L-M1F11QD-G-24V	Round	Flush	Green	Plastic	74K3768	35.24	33.39	
HW1L-M1F11QD-A-24	Round	Flush	Amber	Plastic	74K3767	35.24	33.39	
HW1L-M2F11QD-R-24V	Round	Extended	Red	Plastic	74K3771	32.68	30.88	
HW1L-M2F11QD-G-24V	Round	Extended	Green	Plastic	84C4686	40.99	38.76	
HW1L-M2F11QD-G-24V	Round	Extended	Green	Plastic	74K3770	35.24	33.39	
HW1L-M4F10QD-R-24V	Round	40mm Mushroom	Red	Plastic	84C4766	41.76	39.48	
HW1L-M4F11QD-R-24V	Round	40mm Mushroom	Red	Plastic	76K6256	27.84	27.57	
HW1L-M4F11QD-G-24V	Round	40mm Mushroom	Green	Plastic	74K3772	35.78	33.90	
HW2L-M1F10QD-R-24V	Square	Flush	Red	Plastic	84C5162	37.55	35.49	
HW4L-M1F10QD-G-24V	Round	Flush	Green	Metal	41J3732	42.64	40.31	
HW4L-M2F10QD-R-24V	Round	Extended	Red	Metal	72J7051	42.64	40.31	
HW4L-M2F11QD-G-24V	Round	Extended	Green	Metal	53K7637	51.07	48.29	

(13247)

22mm NON-ILLUMINATED PUSHBUTTON SWITCHES



- Plastic or nickel-plated aluminum bezels
- Momentary action
- Slow-break SPST-NO or SPST-NO - SPST-NC contacts
- Meet IEC IP65 and NEMA 4/4x/13
- Available in red, black, green, blue, white and yellow

Rated 600VAC/DC, 10A. Operating temperature range: -25°C to +50°C. Mechanical life: 5,000,000 operations. May be mounted in IDEC's one-to-five hole enclosures. Mushroom head also available; go online or call.

22mm NON-ILLUMINATED PUSHBUTTON SWITCHES - MOMENTARY - PLASTIC BEZEL

Mfg. Part No.	Shape	Head Style	Circuitry	Color	Stock No.	Price Each	
						1-24	
HW1B-M1F10-B	Round	Flush	SPST-NO	Black	74K3746	11.81	
HW1B-M1F10-S	Round	Flush	SPST-NO	Blue	74K3749	11.81	
HW1B-M1F10-G	Round	Flush	SPST-NO	Green	74K3747	11.81	
HW1B-M1F10-R	Round	Flush	SPST-NO	Red	74K3748	11.81	
HW1B-M1F10-Y	Round	Flush	SPST-NO	Yellow	74K3750	11.81	
HW1B-M1F11-B	Round	Flush	DPST-1NO/1NC	Black	74K3751	17.89	
HW1B-M1F11-G	Round	Flush	DPST-1NO/1NC	Green	74K3752	17.89	
HW1B-M1F11-R	Round	Flush	DPST-1NO/1NC	Red	74K3753	17.89	
HW1B-M2F11-R	Round	Extended	DPST-1NO/1NC	Red	78K5982	17.89	
HW2B-M1F10-G	Square	Flush	SPST-NO	Green	91F5593	20.28	
HW2B-M2F10-G	Square	Extended	SPST-NO	Green	91F5595	20.66	
HW1B-M3F10-R	Round	29mm Mushroom	SPST-NO	Red	30B6597	25.52	
HW1B-M3F10-G	Round	29mm Mushroom	SPST-NO	Green	30B6596	25.52	
HW1B-M3F11-R	Round	29mm Mushroom	SPDT-1NO/1NC	Red	30B6603	34.05	
HW1B-M3F11-G	Round	29mm Mushroom	SPDT-1NO/1NC	Green	30B6602	34.05	
HW1B-M4F10-R	Round	40mm Mushroom	SPST-NO	Red	91F5587	25.52	
HW1B-M4F10-G	Round	40mm Mushroom	SPST-NO	Green	91F5597	25.52	
HW1B-M4F11-G	Round	40mm Mushroom	SPDT-1NO/1NC	Green	91F5598	34.05	
HW1B-M4F11-R	Round	40mm Mushroom	DPST-1NO/1NC	Red	91F5588	22.52	

22mm NON-ILLUMINATED PUSHBUTTON SWITCHES - MOMENTARY - METAL BEZEL

HW4B-M1F10-R	Round	Flush	SPST-NO	Red	74K3783	11.01	
HW4B-M3F10-R	Round	29mm Mushroom	SPST-NO	Red	05N8047	27.19	

CONTINUED

22mm NON-ILLUMINATED PUSHBUTTON SWITCHES (CONT.)

22mm NON-ILLUMINATED PUSHBUTTON SWITCHES - MOMENTARY - METAL BEZEL

Mfg. Part No.	Shape	Head Style	Circuitry	Color	Stock No.	Price Each	
						1-24	
HW4B-M3F10-G	Round	29mm Mushroom	SPST-NO	Green	05N8046	27.19	
HW4B-M3F11-R	Round	29mm Mushroom	SPDT-1NO/1NC	Red	05N8053	35.72	
HW4B-M3F11-G	Round	29mm Mushroom	SPDT-1NO/1NC	Green	05N8052	35.72	
HW4B-M4F10-R	Round	40mm Mushroom	SPST-NO	Red	92H6438	27.19	
HW4B-M4F10-G	Round	40mm Mushroom	SPST-NO	Green	05N8117	27.19	
HW4B-M4F11-R	Round	40mm Mushroom	SPDT-1NO/1NC	Red	92H6439	35.72	
HW4B-M4F11-G	Round	40mm Mushroom	SPDT-1NO/1NC	Green	05N8122	35.72	

22mm NON-ILLUMINATED PUSHBUTTON SWITCHES - MOMENTARY - PLASTIC BEZEL

Mfg. Part No.	Shape	Head Style	Circuitry	Color	Stock No.	Price Each	
						1-24	
HW2B-A1F10-G	Square	Flush	SPST-NO	Green	30B9753	28.01	
HW2B-A1F11-R	Square	Flush	SPDT-1NO/1NC	Red	30B9760	36.55	
HW2B-A2F10-G	Square	Extended	SPST-NO	Green	30B9789	28.43	
HW2B-A2F11-R	Square	Extended	SPDT-1NO/1NC	Red	30B9796	36.95	
HW1B-A3F11-R	Round	29mm Mushroom	SPDT-1NO/1NC	Red	30B6481	43.25	
HW1B-A3F11-G	Round	29mm Mushroom	SPDT-1NO/1NC	Green	30B6480	43.25	
HW1B-A4F11-R	Round	40mm Mushroom	SPDT-1NO/1NC	Red	30B6517	43.25	
HW1B-A4F11-G	Round	40mm Mushroom	SPDT-1NO/1NC	Green	30B6516	43.25	

22mm NON-ILLUMINATED PUSHBUTTON SWITCHES - MOMENTARY - METAL BEZEL

HW4B-A3F11-R	Round	29mm Mushroom	SPDT-1NO/1NC	Red	05N7795	44.92	
HW4B-A3F11-G	Round	29mm Mushroom	SPDT-1NO/1NC	Green	05N7794	44.92	
HW4B-A4F11-R	Round	40mm Mushroom	SPDT-1NO/1NC	Red	05N7861	44.92	
HW4B-A4F11-G	Round	40mm Mushroom	SPDT-1NO/1NC	Green	05N7860	44.92	

(13028)

22mm SELECTOR SWITCHES



HW series selector switches are rated 600VAC/DC, 10A. Mechanical life: 500,000 operations. All units listed are maintained action. Metal bezels are nickel-plated aluminum. Meets IEC IP65 and NEMA 4/4x/13 ratings. May be mounted in IDEC's one-to-five hole enclosures.

22mm SELECTOR SWITCHES

Mfg. Part No.	Circuitry	Pos.	Bezel	Operation	Stock No.	Price Each	
						1-24	
HW1S-2TF11	SPDT-1NO/1NC	2	Plastic	Knob	26K1272	21.59	
HW1S-2TF20	DPST-2NO	2	Plastic	Knob	74K3782	22.11	
HW1S-2TF22	DPDT-2NO/2NC	2	Plastic	Knob	05N7545	48.35	
HW1S-3TF11	SPDT-1NO/1NC	3	Plastic	Knob	05N7561	30.42	
HW1S-3TF20	DPST-2NO	3	Plastic	Knob	78K5983	24.19	
HW1S-3TF02	DPST-2NC	3	Plastic	Knob	05N7559	30.42	
HW4S-2LF11	SPDT-1NO/1NC	2	Metal	Lever	06N0554	35.96	
HW4S-2TF20	DPST-2NO	2	Metal	Knob	74K3799	25.49	
HW4S-3TF20	DPST-2NO	3	Metal	Knob	74K3800	19.90	
HW4S-3LF02	DPST-2NC	3	Metal	Lever	06N0573	35.40	

22mm ILLUMINATED SELECTOR SWITCHES

HW1F-2LF11QD-W-12V	SPST-1NO/1NC	2	Plastic	Knob	73R4794	41.55	
HW1F-2F11QD-R-24V	SPST-1NO/1NC	2	Plastic	Knob	30B6710	55.32	
HW1F-2F20QD-R-24V	DPST-2NO	2	Plastic	Knob	30B6753	55.32	
HW1F-3LF11QD-W-12V	SPST-1NO/1NC	3	Plastic	Knob	73R4795	60.86	
HW1F-3F11QD-R-24V	SPST-1NO/1NC	3	Plastic	Knob	30B7050	55.32	
HW1F-3F11QD-G-24V	SPST-1NO/1NC	3	Plastic	Knob	30B7046	55.32	
HW1F-3F20QD-R-24V	DPST-2NC	3	Plastic	Knob	30B6982	55.32	
HW4F-2F11QD-G-24V	SPDT-1NO/1NC	2	Metal	Knob	05N8272	56.99	
HW1F-2F20QD-G-24V	DPST-2NO	2	Metal	Knob	30B6749	55.32	
HW4F-3F20QD-G-24V	DPST-2NC	3	Metal	Knob	05N8491	56.99	
HW4F-3F22QD-G-24V	DPDT-2NO/2NC	3	Metal	Knob	05N8599	75.61	

22mm KEYED SWITCHES - MAINTAINED

HW1K-2AF10	SPST-NO	2	Plastic	Key	74K3764	35.97	
HW1K-2AF20	DPST-2NO	2	Plastic	Key	74K3765	40.49	
HW1K-3AF11	SPDT-1NO / SPDT-NC	3	Plastic	Key	45T6930	58.79	
HW1K-3AF20	DPST-2NO	3	Plastic	Key	74K3766	39.16	

CONTINUED

SWITCHES – PUSHBUTTON 22MM

22mm SELECTOR SWITCHES (CONT.)

22mm KEYED SWITCHES - MAINTAINED

Mfg. Part No.	Circuitry	Pos.	Bezel	Operation	Stock No.	Price Each	
						1-24	
● HW4K-2AF20	DPST-2NO	2	Metal	Key	74K3789	40.26	
● HW4K-3AF11	SPST-NO / SPST-NC	3	Metal	Key	45T6931	52.06	
● HW4K-3AF20	DPST-2NO	3	Metal	Key	74K3790	36.77	
● HW4K-3AF02	DPST-2NC	3	Metal	Key	05N9239	60.44	

(13237)

22mm PUSHBUTTON SWITCHES



Flush

Screw terminal units include button, operator, contact blocks. Mount 0.875" (22.23) hole. Momentary action. Caps included (R=Red, B=Black, G=Green). UL listed, CSA certified, CE compliant. NEMA 1, 2, 3, 4, 4X, 5, 12, 13.

Mfg. Part No.	Style	Circuitry	Color	Stock No.	Price Each			
					1-24	25-49	50-99	100+
● ABW110-B,G,R	Flush	SPST-NO	...	74K3606	13.63	12.91	12.20	11.81
● ABW110-R	Flush	SPST-NO	Red	09C9432	12.64	11.95	11.95	11.61
● ABW101-B,R,G	Flush	SPST-NC	...	74K3605	13.63	12.91	12.20	11.81
● ABW111-B,R,G	Flush	DPST-1NO/1NC	...	74K3607	20.03	18.97	17.92	17.34
● ABW210-B,G,R	Extended	SPST-NO	...	74K3609	13.63	12.91	12.20	11.81
● ABW201-B,G,R	Extended	SPST-NC	...	74K3608	13.63	12.91	12.20	11.81
● ABW211-B,G,R	Extended	DPST-1NO/1NC	...	74K3610	20.03	18.97	17.92	17.34
● ABW310-G	Mushroom	SPST-NO	Green	14C8221	19.20	18.11	17.92	17.06
● ABW410-R	Mushroom	SPST-NO	Red	74K3613	20.03	18.97	17.92	17.34
● ABW410-B	Mushroom	SPST-NO	Black	96F3635	19.20	18.11	17.92	17.34
● ABW410-G	Mushroom	SPST-NO	Green	74K3612	20.03	18.97	17.92	17.34
● ABW401-R	Mushroom	SPST-NC	Red	74K3611	20.03	18.97	17.92	17.34
● ABW411-R	Mushroom	DPST-1NO/1NC	Red	74K3614	26.42	25.03	23.64	22.88
● ABW411-G	Mushroom	DPST-1NO/1NC	Green	96F3640	24.50	23.16	23.16	22.50

(3427)

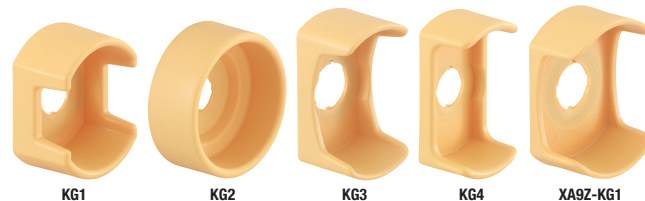
16mm AND 22mm SWITCH ACCESSORIES



Padlock Cover



Emergency Stop Name Plate



KG1

KG2

KG3

KG4

XA9Z-KG1

Individual buttons, spring-up terminal contacts and 22mm to 30mm adapter mfg. part no. HW9Z-A30 also available; go online or call.

Mfg. Part No.	Description	Stock No.	Price Each	
			1-9	
● HAAV4-27	16mm Yellow Emergency Stop Nameplate, 60mm Diameter	43J1425	10.79	
● HW9Z-KL1	Padlock Cover For 22mm Switches	74K3803	14.20	
● HWAV-27	22mm Yellow Emergency Stop Nameplate, 60mm Diameter	74K3745	4.62	
● HWAV5-27	22mm Yellow Emergency Stop Nameplate, 80mm Diameter	43J1426	4.92	
● HW-C01	Exposed Screw Terminal Contacts, 1NC	74K3741	6.08	
● HW-C10	Exposed Screw Terminal Contacts, 1NO	74K3742	6.08	

▶ CONTINUED ▶

16mm AND 22mm SWITCH ACCESSORIES (CONT.)

Mfg. Part No.	Description	Stock No.	Price Each	
			1-9	
● HW-CB2C	Contact Block Mounting Adapter for Mounting of Contact Blocks to Operator (First Pair Only)	74K3740	1.13	
● HW-F01	Standard Fingersafe Contacts (IP20), 1NC	74K3743	6.08	
● HW-F10	Standard Fingersafe Contacts (IP20), 1NO	74K3744	6.08	
● HW9Z-KG3	E-Stop Shroud Yellow for 22mm XW & HW E-stops with 29mm & 40mm mushroom heads	34M2040	17.99	
● HW9Z-KG4	E-Stop Shroud Yellow for 22mm XW & HW E-stops with 29mm & 40mm mushroom heads	34M2041	17.28	
● XA9Z-KG1	E-Stop Shroud Yellow for 16mm XA E-stops with 29mm & 40mm mushroom heads	34M2077	24.63	
● HW9Z-KG1	E-Stop Shroud Yellow for 22mm XW & HW E-stops with 29mm & 40mm mushroom heads	32M7404	15.72	
● HW9Z-KG2	E-Stop Shroud Yellow for 22mm XW & HW E-stops with 29mm & 40mm mushroom heads	20M7930	15.72	
● HW9Z-SKP	Replacement Keys for HW Series Switches	28C7212	1.12	

(15326)

A22R SERIES PUSHBUTTON SWITCHES



- Rated current: 10A
- Rated voltage: 240V
- Ambient temperature: Non-lighted type: -20 to +60#UndelTag-786#C, Lighted type: -20 to +50#UndelTag-786#C



NON-ILLUMINAT SWITCHES - FLUSH

Mfg. Part No.	Contacts	Switch Operation	Button Color	Stock No.	Price Each	
					1-9	
● A22R-FG-10A	SPST-NO	Alternate	Green	86T5870	27.65	
● A22R-FG-10M	SPST-NO	Momentary	Green	86T5871	20.38	
● A22R-FR-01A	SPST-NC	Alternate	Red	86T5874	27.65	
● A22R-FR-01M	SPST-NC	Momentary	Red	86T5875	20.38	
● A22R-FR-10A	SPST-NO	Alternate	Red	86T5876	27.65	
● A22R-FR-10M	SPST-NO	Momentary	Red	86T5877	20.38	
● A22R-FW-10M	SPST-NO	Momentary	White	86T5878	20.38	

NON-ILLUMINAT SWITCHES - EXTENDED TYPE ACTUATOR

● A22R-TG-10A	SPST-NO	Alternate	Green	86T5881	28.38	
● A22R-TG-10M	SPST-NO	Momentary	Green	86T5882	20.38	
● A22R-TR-01A	SPST-NC	Alternate	Red	86T5885	28.14	
● A22R-TR-01M	SPST-NC	Momentary	Red	86T5886	20.38	
● A22R-TR-10A	SPST-NO	Alternate	Red	86T5887	28.38	
● A22R-TR-10M	SPST-NO	Momentary	Red	86T5888	20.38	

ILLUMINAT SWITCHES - PROJECTION ACTUATOR

● A22RL-TA-24A-10A	SPST-NO	Alternate	Blue	86T5907	42.71	
● A22RL-TA-24A-10A	SPST-NO	Alternate	Blue	86T5907	42.71	
● A22RL-TG-24A-10A	SPST-NO	Alternate	Green	86T5910	42.71	
● A22RL-TG-24A-10M	SPST-NO	Momentary	Green	86T5911	39.42	
● A22RL-TR-24A-10A	SPST-NO	Alternate	Red	86T5914	42.71	
● A22RL-TR-24A-10M	SPST-NO	Momentary	Red	86T5915	39.42	
● A22RL-TW-24A-10A	SPST-NO	Alternate	White	86T5918	46.46	
● A22RL-TW-24A-10M	SPST-NO	Momentary	White	86T5919	43.18	

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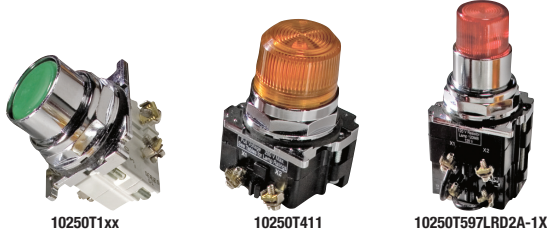
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(196407)

SWITCHES – PUSHBUTTON 30MM

30MM PUSHBUTTONS 10250T SERIES



- Heavy-duty zinc die cast construction
 - Enclosed silver contacts with reliability nibs
 - Reliability nibs improve contact reliability even under dry circuit and fine dust conditions
 - Drainage holes prevent buildup of liquid inside the operator which can prevent operation in freezing environments
 - Grounding nibs bite through paint and other coatings to secure grounding
- The 10250T 30.5 mm pushbutton line features a zinc die cast construction with chrome-plated housing and mounting nut. The same durable construction is also available with the corrosive resistant E34 line of pushbuttons.

NON-ILLUMINATED MOMENTARY PUSHBUTTON OPERATORS FLUSH BUTTON (CHOOSE CONTACT BLOCK BELOW)

Mfg. Part No.	Color	Stock No.	Price Each
10250T101	Black	44K1511	36.71
10250T103	Green	44K1540	36.71

EXTENDED BUTTON (CHOOSE CONTACT BLOCK BELOW)

10250T112	Red	44K1608	35.08
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MUSHROOM BUTTON (CHOOSE CONTACT BLOCK BELOW)

10250T122	Red	44K1624	78.14
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JUMBO MUSHROOM BUTTON (CHOOSE CONTACT BLOCK BELOW)

10250T172	Red	44K2130	92.29
10250T17213	Red (EMERG. STOP)	44K2136	97.22

ILLUMINATED MOMENTARY PUSHBUTTON (CHOOSE COLOR LENS BELOW)

Mfg. Part No.	Light Unit Type	Type	Voltage	Stock No.	Price Each
10250T411	Incandescent	Transformer AC Only	120	44K3175	136.34

PRES-TO-TEST ILLUM. PUSHBUTTON (CHOOSE COLOR LENS BELOW)

10250T231N	Incandescent	Resistor AC/DC	120	44K2668	146.31
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INDICATING LIGHT OPERATORS (CHOOSE COLOR LENS BELOW)

10250T181N	Incandescent	Transformer; AC Only	120	44K2176	132.95
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INDICATING LIGHTS - LED

Mfg. Part No.	Type	Voltage	Color	Stock No.	Price Each
10250T197LRP2A	Full Voltage	120V AC	Red	44K2396	141.31

INDICATING LIGHTS - INCANDESCENT

10250T201NC1N	Resistor	120V AC/DC	Red	44K2495	112.37
10250T201NC2N	Resistor	120V AC/DC	Green	44K2506	112.37
10250T206NC2N	Full Voltage	24V AC/DC	Green	44K2551	112.37

2-POSITION NON-ILLUMINATED MAINTAINED PUSH-PULL SWITCHES

Mfg. Part No.	Contact Type	Button Type	Color	Stock No.	Price Each
10250T5B62-1X	SPDT-1NO/1NC	40 mm	Red	44K3573	131.85
10250T5J63-1X	SPDT-1NO/1NC	65 mm Engraved E-STOP	Red (EMERG. STOP)	44K3612	191.46

NON-ILLUMINATED MOMENTARY PUSHBUTTON

10250T23B	SPST-NO	Flush	Black	44K2654	54.62
10250T29	SPST-NC	Jumbo Mushroom	Red	44K2792	138.73

CONTACTS BLOCK - WITH SCREW TERMINALS

Mfg. Part No.	Circuit	Stock No.	Price Each
10250T1	SPDT-1NO/1NC	44K1497	39.13
10250T2	DPDT-2NO	44K2440	39.13
10250T3	DPDT-2NC	44K2854	39.13
10250T51	SPST-NC	44K3626	19.72
10250T53	SPST-NO	44K3639	19.72

PLASTIC LENSES

Mfg. Part No.	Color/For Use With	Stock No.	Price Each
10250TC1N	Red/Eaton 10250T Series Pushbutton Switches	44K1098	9.47
10250TC19N	Amber/Eaton 10250T Series Pushbutton Switches	44K1113	9.47
10250TC21	Red/Eaton 10250T Series Pushbutton Switches	44K1115	9.47
10250TC22	Green/Eaton 10250T Series Pushbutton Switches	44K1116	9.47
10250TC2N	Green/Eaton 10250T Series Pushbutton Switches	44K1114	9.47
10250TC6N	White/Eaton 10250T Series Pushbutton Switches	44K1142	9.47

GLASS LENSES

10250TC12N	White/Eaton 10250T Series Pushbutton Switches	44K1101	16.88
10250TC13N	Red/Eaton 10250T Series Pushbutton Switches	44K1102	16.88
10250TC14N	Green/Eaton 10250T Series Pushbutton Switches	44K1104	16.88

➔ CONTINUED ➔

30MM PUSHBUTTONS 10250T SERIES (CONT.)

GLASS LENSES

Mfg. Part No.	Circuit	Stock No.	Price Each
10250TC15N	Amber/Eaton 10250T Series Pushbutton Switches	44K1106	16.88
10250TC8N	Green/Eaton 10250T Series Pushbutton Switches	44K1152	16.88

LEGEND PLATES

Mfg. Part No.	Description/ For Use With	Stock No.	Price Each
10250TM33	START-Round Legend Plate	44K1269	4.57
10250TM36	BLANK-Round Legend Plate	44K1272	4.42

ENCLOSURES

10250TN11	1-Hole 2-Contact Block Depth Enclosure	44K1321	128.57
10250TN12	2-Hole 2-Contact Block Depth Enclosure	44K1322	135.86
10250TN14	4-Hole 2-Contact Block Depth Enclosure	44K1324	195.42

(136333)

30mm PUSHBUTTON SWITCHES



Standard size screw terminal units include button, operator, contact blocks. Mount 1.20" (30.00) hole. Rated 600V/10A. Momentary action. Rated NEMA 1, 2, 3, 3R, 4, 4X, 5, 12, 13; IP65. UL listed, CSA certified and CE compliant.

Mfg. Part No.	Style	Circuitry	Color	Stock No.	Price Each
● ABD110N-B,G,R	Flush	SPST-NO	Black,Green,Red	74K3599	20.68
● ABD310N-G	1.58" Mushroom	SPST-NO	Green	74K3601	35.44
● ABD310N-Y	1.58" Mushroom	SPST-NO	Yellow	75K6446	35.44
● ABD301N-R	1.58" Mushroom	SPST-NC	Red	74K3600	28.91
● ABD410N-R	2.56" Mushroom	SPST-NO	Red	74K3604	36.05
● ABD410N-G	2.56" Mushroom	SPST-NO	Green	74K3603	40.37
● ABD401N-R	2.56" Mushroom	SPST-NC	Red	96F3774	40.37

ILLUMINATED PUSHBUTTON SWITCHES

● ALD29911DN-G-120V	Extended Lens	SPST-1NO/1NC	Green	14C8391	52.78
● ALD29911DN-G-24V	Extended Lens	SPDT-1NO/1NC	Green	14C8392	54.45
● ALD29911DN-R-120V	Extended Lens	SPDT-1NO/1NC	Red	14C8395	55.58
● ALD29911DN-R-24V	Extended Lens	SPDT-1NO/1NC	Red	14C8396	54.45
● ALD29920DN-G-120V	Extended Lens	DPDT	Green	14C8425	43.19
● ALD29920DN-G-24V	Extended Lens	DPDT	Green	14C8426	54.45
● ALD29920DN-R-120V	Extended Lens	DPDT	Red	14C8428	55.58
● ALD29920DN-R-24V	Extended Lens	DPDT	Red	14C8429	42.31
● ALD39911DN-G-120V	Mushroom	SPDT-1NO/1NC	Green	14C8559	44.67
● ALD39911DN-G-24V	Mushroom	SPDT-1NO/1NC	Green	14C8560	56.35
● ALD39911DN-R-120V	Mushroom	SPDT-1NO/1NC	Red	14C8563	57.48
● ALD39911DN-R-24V	Mushroom	SPDT-1NO/1NC	Red	73R4770	56.35
● ALD39920DN-G-120V	Mushroom	DPDT	Green	14C8591	57.48
● ALD39920DN-G-24V	Mushroom	DPDT	Green	14C8592	56.35
● ALD39920DN-R-120V	Mushroom	DPDT	Red	14C8595	57.48
● ALD39920DN-R-24V	Mushroom	DPDT	Red	14C8596	56.35

➔ CONTINUED ➔

SWITCHES – PUSHBUTTON 30MM

30mm PUSHBUTTON SWITCHES (CONT.)

ILLUMINATED PUSHBUTTON SWITCHES

Mfg. Part No.	Style	Circuitry	Color	Stock No.	Price Each		
					1-9	10-24	25-49
● ALFD29911DN-G-120V	Extended Lens/ Full Shroud	SPDT-1NO/1NC	Green	95B1666	60.06		
● ALFD29911DN-G-24V	Extended Lens/ Full Shroud	SPST-1NO/1NC	Green	14C8741	48.41		
● ALFD29911DN-R-120V	Extended Lens/ Full Shroud	SPDT-1NO/1NC	Red	14C8744	46.67		
● ALFD29911DN-R-24V	Extended Lens/ Full Shroud	SPDT-1NO/1NC	Red	14C8745	58.95		
● ALFD29920DN-G-120V	Extended Lens/ Full Shroud	DPDT	Green	14C8776	60.06		
● ALFD29920DN-G-24V	Extended Lens/ Full Shroud	DPDT	Green	14C8777	58.95		
● ALFD29920DN-R-120V	Extended Lens/ Full Shroud	DPDT	Red	14C8780	60.06		
● ALFD29920DN-R-24V	Extended Lens/ Full Shroud		Red	14C8781	45.80		

E-STOP SWITCHES

Mfg. Part No.	Description	Circuitry	Color	Stock No.	Price Each
● AYLD229911DN-G-24V-TK962	40mm Momentary Push-Pull	SPDT-1NO/1NC	Green	05N3396	58.02

UNIBODY E-STOPS

● HN1E-BV4F11-R	40mm Pushlock Turn Reset	SPDT-1NO/1NC	Red	84C2750	52.39
● HN1E-LV4F11QD-R-24V	Illuminated 40mm pushlock Turn Reset	SPDT-1NO/1NC	Red	84C2762	71.11

NON-ILLUMINATED SELECTOR SWITCHES

Mfg. Part No.	Description	Circuitry	Stock No.	Price Each	
				1-9	10-24
● ASD2L10N	Maintained, 2 position lever	SPST-NO	15C3003	26.65	
● ASD2L11N	Maintained, 2 position lever	SPST-1NO/1NC	15C3004	34.36	
● ASD31L20N	Spring return from right, 3 position lever	SPDT	15C3119	35.88	
● ASD3L02N	Maintained, 3 position lever	DPDT-2NC	15C3086	34.36	
● ASD3L20N	Maintained, 3 position lever	DPDT-2NO	15C3091	44.55	
● ASD3L202N	Spring return from left, 3 position lever	DPDT-2NC	73R4771	44.59	
● ASD33L22N	Spring return two-way, 3 position lever	DPDT-2NO/2NC	15C3189	59.98	

ILLUMINATED SELECTOR SWITCHES

● ASLD29911DN-G-24V	Maintained, 2 Position, full-voltage	SPST-1NO/1NC	15C3680	67.28
● ASLD29911DN-R-24V	Maintained, 2 Position, full-voltage	SPST-1NO/1NC	15C3684	67.28
● ASLD219920DN-R-24V	Spring return from right, 2 position, full-voltage	DPDT-2NO	73R4773	77.95
● ASLD219920DN-G-24V	Spring return from right, 2 position, full-voltage	DPDT-2NO	73R4772	77.95
● ASLD39920DN-R-24V	Maintained, 3 Position, full-voltage	DPDT-2NO	15C4103	67.28
● ASLD39920DN-G-24V	Maintained, 3 Position, full-voltage	DPDT-2NO	15C4099	67.28
● ASLD3312602DN-R	Spring return two-way, 3 position, full-voltage	DPDT-2NC	73R4775	92.91
● ASLD3312602DN-G	Spring return two-way, 3 position, full-voltage	DPDT-2NC	73R4774	92.91

ACCESSORIES

Mfg. Part No.	Description	Color	Stock No.	Price Each		
				1-9	10-24	25-49
● ABD4BN-Y	2.56" Jumbo Mushroom Button	Yellow	74K3602	11.71	10.91	10.26

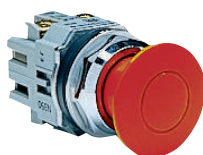
30mm SPECIAL FUNCTION SWITCHES



Screw terminal units include button, operator, contact blocks. Rated NEMA 1, 2, 3, 4, 4X, 5, 12, 13. Color: red. UL listed, CSA certified, and CE compliant.



Pushlock Turn Reset



Push-button

Mfg. Part No.	Description	Circuitry	Stock No.	Price Each		
				1-24	25-49	50-99
● AVD310N-R	Pushlock Turn Reset	SPST-NO	74K4800	50.73	45.16	42.96
● AVD301N-R	Pushlock Turn Reset	SPST-NC	74K3686	50.73	45.16	42.96
● AVD311N-R	Pushlock Turn Reset	DPST-1NO/1NC	74K3688	57.83	51.47	48.98

CONTINUED

30mm SPECIAL FUNCTION SWITCHES (CONT.)

Mfg. Part No.	Description	Circuitry	Stock No.	Price Each		
				1-24	25-49	50-99
● AYD301N-R	Push-Pull	SPST-NC	74K3696	47.88	42.79	40.48
● AYD311N-R	Push-Pull		74K3697	55.47	49.37	46.98
● AVD302N-R	Pushlock Turn Reset	DPST-NC	74K3687	57.83	51.47	48.98

ACCESSORIES

Mfg. Part No.	Description	Stock No.	Price Each			
			1-9	10-24	25-49	50-99
● AVN3B-R	Replacement Button for Pushlock Turn Reset Switches, 1 ³⁷ / ₆₄ " (40mm) Diameter	74K3689	12.78	11.90	11.20	10.67

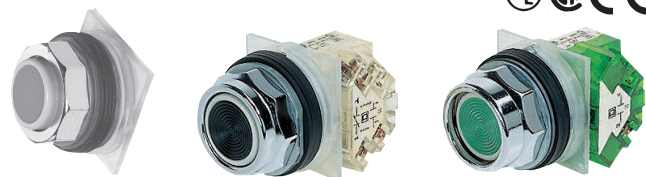
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30mm NON-ILLUMINATED MOMENTARY PUSHBUTTON OPERATORS



by Schneider Electric

NEW



30mm round, pushbuttons are oiltight/watertight and meet NEMA 4, 13. Include one each black, red, green, yellow, orange, blue, white button inserts. For complete assembly, see contact blocks on page 1775. Complete pushbutton = operator + contact block(s). UL listed, CSA certified, CE compliant.

NEMA 4, 13 CHROME BEZEL

Mfg. Part No.	Guard	Stock No.	Price Each	
			Each	2-4
9001KR1U	Full	93F2969	40.46	37.85
9001KR3U	None	97F9982	40.46	37.85
9001KR2U	Extended	97F9981	40.46	37.85

NEMA 4X BLACK BEZEL (CORROSION RESISTANT)

9001SKR1U	Full	16F4046	43.61	40.29
9001SKR2U	Extended	16F4047	43.61	40.29

(3392)

HARMONY™ XB5R WIRELESS BATTERYLESS PUSH BUTTON



by Schneider Electric

NEW

- Easy and quick to install
- Maintenance-free
- Reduce cost and time during installation
- No cable damage or screw terminal issues
- Eco-friendly green technology
- Flexibility and mobility (up to 25 m range in a factory)
- Robust design for industrial environments
- UL, CSA, CE marked



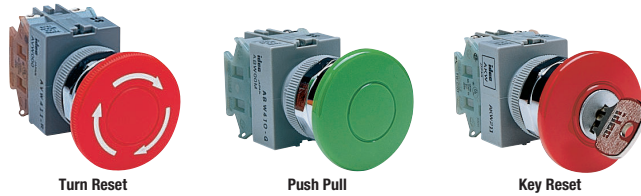
COMPLETE TRANSMITTER AND RECEIVER

Mfg. Part No.	Description	Stock No.	Price Each	
			1-5	10-24
XB5RFB01	Pack XB5R 22 mm transmitter non-programmable receiver 24 VDC	48T3171	181.77	
XB4RFB01	Pack XB5R 22 mm transmitter non-programmable receiver 24 VDC	48T3169	181.77	
XB5RFA02	Pack XB5R 22 mm transmitter programmable receiver AC/DC	48T3170	441.42	
XB4RFA02	Pack XB4R 22 mm transmitter programmable receiver AC/DC	48T3168	441.42	
XB5RMB03	Pack XB5R handheld transmitter non-programmable receiver 24 VDC	48T3173	251.01	
XB5RMA04	Pack XB5R handheld transmitter programmable receiver AC/DC	48T3172	510.67	
COMPONENTS TRANSMITTER				
ZBRT1	Transmitter wireless batteryless (without head)	48T3178	95.21	
COMPONENTS TRANSMITTERS PLASTIC HEAD				
ZB5RTA1	Transmitter with ZB5R head, white cap without marking	48T3188	112.52	
ZB5RTA2	Transmitter with ZB5R head, black cap without marking	48T3189	112.52	
ZB5RTA3	Transmitter with ZB5R head, green cap without marking	48T3190	112.52	
ZB5RTA331	Transmitter with ZB5R head, green cap marking 1 white	48T3191	112.52	
ZB5RTA4	Transmitter with ZB5R head, red cap without marking	48T3192	112.52	

CONTINUED

SWITCHES – EMERGENCY STOP

22mm EMERGENCY STOP MUSHROOM SWITCHES



Screw terminal units include button, operator, contact blocks. Caps included, Red only. 1.58". UL listed, CSA certified, and CE compliant.

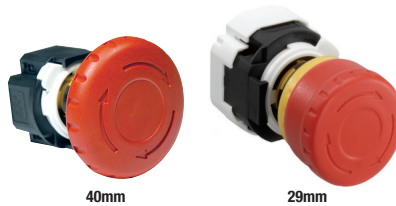
Mfg. Part No.	Mushroom Style	Circuitry	Stock No.	Price Each			
				1-24	25-49	50-99	100-249
● AWW410-R	Turn Reset	SPST-NO	74K3692	39.23	34.92	33.23	31.55
● AWW401-R	Turn Reset	SPST-NC	74K3690	39.23	34.92	33.23	31.55
● AWW411-R	Turn Reset	DPST-1NO/1NC	74K3693	45.63	40.61	38.64	36.68
● AWW402-R	Turn Reset	DPST-NC	74K3691	45.63	40.61	38.64	36.68
● AYW410-R	Push-Pull	SPST-NO	74K3699	36.10	32.28	30.52	29.13
● AYW401-R	Push-Pull	SPST-NC	74K3698	32.79	29.31	27.91	26.51
● AYW411-R	Push-Pull	DPST-1NO/1NC	74K3700	42.16	37.67	35.63	34.01
● AXW401-R	Key Reset	SPST-NC	96F3667	44.06	41.63	41.63	40.48
● AXW411-R	Key Reset	DPST-1NO/1NC	96F3668	54.17	51.20	51.20	49.74

(3428)

16mm EMERGENCY STOP SWITCHES



- "Safe Break Action" ensures all NC contacts open if the contact block is separated from the operator
- Pushlock turn reset and push-pull functions built into same unit
- 40mm and 29mm mushroom button size
- Electrical life: 100,000 operations min.
- IP65 protection
- Rated thermal current: 5A



"Safe Break Action" design reverses the energy direction and uses the spring-pressure to assure that the NC contacts will open if the emergency switch is damaged or the contact blocks separate due to excessive force. EN compliant. XA1E-LV illuminated versions and 22mm sizes also available; go online or call.

40mm MUSHROOM

Mfg. Part No.	Circuitry	Terminals	Actuator Color	Stock No.	Price Each
					1-4
● XA1E-BV4U01-R	SPST-NC	Solder	Red	05R0259	38.51
● XA1E-BV411-R	DPST-1NO/1NC	Solder	Red	43J1431	33.00
● XA1E-BV402-R	DPST-NC	Solder	Red	43J1427	34.97

29mm MUSHROOM

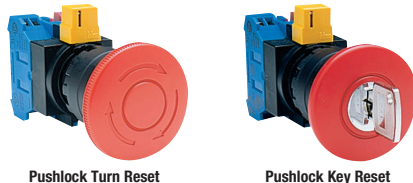
● XA1E-BV3U01K-R	SPST-NC	Solder	Red	05R0250	35.83
● XA1E-BV311-R	DPST-1NO/1NC	Solder	Red	82K9263	34.97
● XA1E-BV3U02K-R	DPST-NC	Solder	Red	05R0256	41.80

40mm MUSHROOM—EMO

● XA1E-BV411-RH-EMO	DPST-1NO/1NC	Solder	Red	05R0270	41.86
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(83058)

22mm EMERGENCY STOP SWITCHES



HW series 22mm emergency stop switches have 40mm mushroom heads. Rated 600VAC/DC, 10A. Meets IEC and NEMA 4/4x13 ratings. Metal bezels are nickel-plated aluminum. UL listed, CSA certified, CE compliant, and TUV approved. IP65 units with SPDT-1NO/1NC contact arrangement are also available; go online or call. May be mounted in IDEC's one-to-five hole enclosures.

Mfg. Part No.	Description	Circuitry	Bezel	Stock No.	Price Each	
					1-24	25-49
● HW1B-Y2F01-R	Push-Pull	SPST-NC	Plastic	74K3760	32.84	31.74
● HW1B-V4F01-R	Pushlock Turn Reset	SPST-NC	Plastic	74K3755	34.01	32.87
● HW1B-V4F10-R	Pushlock Turn Reset	SPST-NO	Plastic	74K3756	28.80	28.80
● HW1B-V4F11-R	Pushlock Turn Reset	DPST-1NO/1NC	Plastic	74K3757	40.09	38.75

➔ CONTINUED ➔

22mm EMERGENCY STOP SWITCHES (CONT.)

Mfg. Part No.	Description	Circuitry	Bezel	Stock No.	Price Each	
					1-24	25-49
● HW1B-X4F11-R	Pushlock Key Reset	DPST-1NO/1NC	Plastic	74K3759	53.17	51.39
● HW1B-V4F02-R	Pushlock Turn Reset	DPDT-2NC	Plastic	30B6648	40.09	38.75
● HW4B-Y2F01-R	Push-Pull	SPST-NC	Metal	74K3787	34.01	32.87
● HW4B-V4F01-R	Pushlock Turn Reset	SPST-NC	Metal	74K3786	32.64	32.64

OPERATOR ASSEMBLY

Mfg. Part No.	Description	Bezel	Stock No.	Price Each	
				1-24	25-49
● HW1B-V4R	40mm Head Pushlock Turn Reset	Plastic	30B6651	22.39	21.23

(13235)

22mm EMERGENCY STOP SWITCHES



- "Safe Break Action" ensures all NC contacts open if contact block is separated from operator
- Pushlock turn reset and push-pull functions built into same unit
- Behind the panel depth is only 48.7mm for 4 contacts
- Electrical life: 100,000 operations min.
- IP65 protection
- Rated thermal current: 5A
- Screw terminals



40mm Mushroom Button

60mm Jumbo Mushroom Button

"Safe Break Action" design reverses the energy direction and uses the spring-pressure to assure that the NC contacts will open if the emergency switch is damaged or the contact blocks separate due to excessive force. EN compliant. May be mounted in IDEC's one-to-five hole enclosures.

40mm MUSHROOM BUTTON WITH BUILT-IN 24V LED

Mfg. Part No.	Contacts	Termination	Actuator Color	Stock No.	Price Each	
					1-4	5-9
● XW1E-LV411Q4M-R	DPST-1NO/1NC	Screw	Red	43J1445	38.71	36.11
● XW1E-LV402Q4M-R	DPST-NC	Screw	Red	43J1443	38.71	36.11
● XW1E-LV413Q4M-R	4PST-3NC/1NO	Screw	Red	43J1446	44.66	41.67

40mm MUSHROOM BUTTON

● XW1E-BV411M-R	DPST-1NO/1NC	Screw	Red	43J1437	29.77	27.77
● XW1E-BV402M-R	DPST-NC	Screw	Red	43J1435	29.77	27.77
● XW1E-BV413M-R	4PST-3NC/1NO	Screw	Red	43J1438	35.72	33.33
● XW1E-BV404M-R	4PST-4NC	Screw	Red	43J1436	35.72	33.33

60mm JUMBO MUSHROOM BUTTON

● XW1E-BV511M-R	DPST-1NO/1NC	Screw	Red	43J1441	36.92	34.44
● XW1E-BV502M-R	DPST-NC	Screw	Red	43J1439	36.92	34.44

40mm MUSHROOM—EMO

● XW1E-BV411M-RH-EMO	DPST-1NO/1NC	Screw	Red	05R0272	33.96	32.33
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(83170)

UNIBODY 22MM E-STOP™ SWITCHES



- Finger-safe IP20 contacts
- Tamperproof non-removable buttons
- Meet EN418
- IEC-style mounting
- Contacts rated 10A thermal current, 600V max.
- Screw terminal connectors



Operator cannot remove switch from exterior of control panel. LED types are 24VAC/DC. UL listed, CSA certified, CE compliant, and TUV approved.

Mfg. Part No.	Circuitry	Description	Stock No.	Price Each	
				1-24	25-49
● HW1E-BV4F11R	DPST-1NO/1NC	Pushlock Turn Reset, Non-Illuminated	74K3761	39.51	38.18
● HW1E-LV4F11QD-R-24V	DPST-1NO/1NC	Illuminated (LED)	74K3763	50.37	48.69
● HW1E-BV412R-TK2093-1	3PST-2NC/1NO	Pushlock Turn Reset, Non-Illuminated	74K3762	59.26	57.28

(59285)

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(198764)

SWITCHES – EMERGENCY STOP

EMERGENCY STOP SWITCHES



Features:

- Plastic bezel, metallic padlock and flush bezel available
- Install up to 12 padlocks (XN4E)
- ø40, ø44 or ø60mm Mushroom heads available
- IDEC's original "safe break action" ensures that the contacts stay open when the contact block is detached from the operator
- Safety-lock mechanism (IEC60947-5-5, 6.2)
- 2-in-1: Push-to-lock, Pull/Turn-to-Reset (XN4E: Turn to Reset only)
- Push-ON LED model allows E-Stops to be illuminated only when latched
- Direct Opening Action mechanism (IEC60947-5-5, 5.2, IEC60947-5-1, Annex K)
- Only 47.7mm depth behind the panel for up to 4 contacts (XN1E)
- RoHS compliant (EU directive 2002/95/EC)

Specifications:

- Min. Force for Direct Opening Action: 80N
- Contact rating: 5A at 125VAC
- Contact resistance: 50mΩ max
- Mechanical life: 250,000 operations
- Terminal type: M3.0 screw terminal
- Degree of protection IP65 (IEC60529)
- XN4E series complies with OSHA and ISO 12100-2:2003 standards

XN1E 30MM EMERGENCY STOP SWITCHES

Mfg. Part No.	Actuator Diameter (mm)	Contacts	Illumination	Stock No.	Price Each	
					1-4	
● XN1E-BV422MR	40	4PST-2NO/2NC	Non Illuminated	75M3626	73.66	

XN4E PADLOCK EMERGENCY STOP SWITCHES

● XN4E-BL402MR	44	DPST-NC	Non Illuminated	70M9745	85.86	
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ACCESSORIES

Mfg. Part No.	Description	Stock No.	Price Each	
			1-4	
● HNAV-27 <small>(105921)</small>	Nameplate; Legend: "EMERGENCY STOP"	84C2748	4.10	

40mm FB ENCLOSURE HW E-STOP ASSEMBLIES



Features:

- Meet EN418 and are compliant with SEMI S2 standards
- Worldwide approvals
- Choice of black plastic or metallic front bezels
- Positive action operation

Specifications:

- Max. inrush current: 40A
- Insulation voltage: 600V
- Switching over-voltage: Less than 4kV
- Impulse withstanding voltage: 4kV
- Thermal current: 10A
- Min. Switching Capacity: 5mA at 3VAC/DC



Mfg. Part No.	Current (A)	Circuitry	Function	Bezel	Stock No.	Price Each	
						1-4	
● FB1W-HW1B-V411R	10	DPST-1NO/1NC	Pushlock Turn Reset	Plastic	05N0128	59.77	
● FB1W-HW4B-V411R-EMO-2	10	DPST-1NO/1NC	Pushlock Turn Reset	Metal	05N0129	69.74	
● FB1W-HW1B-V402R	10	DPST-NC	Pushlock Turn Reset	Plastic	05N0127	59.77	
● FB1W-HW4B-Y202-R <small>(114895)</small>	10	DPST-NC	Push-Pull	Metal	05N0130	59.77	

VALUE BRANDS at Newark element14

Affordable, dependable options for your board, belt, box or bench.



(202246)

69 SERIES ISOLATORS



- 3 and 4 pole
- On load 20A - 80A rated at 415V
- Red/yellow handle
- 3 padlock positions
- Lightweight extension shafts
- Side mounted auxiliary contacts
- UL approval



IP65 ENCLOSED

Mfg. Part No.	No. of Poles	Current (A)	Power (kW)	Stock No.	Price Each			
					1-24	25-49	50-99	100+
● PE69-3020	3	20	5.5	74R5519	36.45	35.13	33.98	32.99
● PE69-3025	3	25	7.5	74R5520	38.88	37.47	36.24	35.18
● PE69-3032	3	32	11	74R5521	39.99	38.55	37.28	36.19
● PE69-3040	3	40	15	74R5522	46.18	44.51	43.05	41.79
● PE69-3063	3	63	18.5	74R5523	65.95	65.95	65.95	55.81
● PE69-4020	4	20	5.5	74R5524	46.18	44.51	43.05	41.79
● PE69-4032	4	32	11	74R5525	43.22	43.22	43.22	36.57
● PE69-4063	4	63	18.5	74R5526	83.95	83.95	83.95	71.03

BASE MOUNT DOOR INTERLOCK

● LB69-3020	3	20	5.5	74R5510	29.16	28.09	27.17	26.38
● LB69-3025	3	25	7.5	74R5511	31.59	30.45	29.45	28.59
● LB69-3032	3	32	11	74R5512	34.20	32.96	31.88	30.95
● LB69-3040	3	40	15	74R5513	27.12	27.12	27.12	27.12
● LB69-3063	3	63	18.5	74R5514	48.61	46.85	45.31	43.99
● LB69-3080	3	80	22	74R5515	43.97	43.97	43.97	37.21
● LB69-4020	4	20	5.5	74R5516	29.99	29.99	29.99	25.38
● LB69-4040	4	40	15	74R5517	34.96	34.96	34.96	29.58
● LB69-4063	4	63	18.5	74R5518	46.96	46.96	46.96	39.73

ACCESSORIES

Mfg. Part No.	Description	Stock No.	Price Each		
			1-24	25-49	50-99
● H69-0001	Red / Yellow Handle - 64 x 64mm	74R5508	6.86	6.58	6.37
● H69-0003	Red / Yellow Handle - 48 x 48mm	74R5509	6.86	6.58	6.37
● E69-0003	Extension Shaft - 300mm	74R5506	1.72	1.65	1.59
● E69-0004	Extension Shaft - 400mm	74R5507	3.92	3.92	3.92
● A69-0001 <small>(178392)</small>	Auxiliary Contact - 1 N/O + 1 N/C	74R5505	11.95	11.47	11.09

A22E SERIES EMERGENCY STOP SWITCHES



NEW



OMRON SCIENTIFIC TECHNOLOGIES, INC.



A22E-MP-0x



A22E-M-xx, A22E-S-xx



A22E-MK-xx



A22E-M-xxB

- Direct opening mechanism to open the circuit if the contact fuses
- Safety lock mechanism prevents operating errors
- Easy mounting and removal of switch blocks using a lever
- Install using either round, or forked crimp terminals
- Illuminated models are 24 VAC/VDC



A22E-3466-1



A22E-EG1

The A22E Emergency stop switches offer a full line of contact configurations. Available with 30mm and 40mm heads, illuminated and non-illuminated. Push with pull to reset or push with twist to reset options. Emergency off shroud is available for SEMI S2 applications. The emergency stop switch with integrated control box, can simplify installation.

NON-ILLUMINATED EMERGENCY STOP SWITCHES

Mfg. Part No.	Description	Circuitry	Stock No.	Price Each	
				1-24	
A22EMP01	Push-pull reset	SPST-NC	66J1394	33.04	
A22EMP02	Push-pull reset	DPST-NC	66J1395	40.38	
● A22E-M-01	Push-lock, turn reset	SPST-NC	15N7086	23.86	
● A22E-M-11	Push-lock, turn reset	SPST-NO / SPST-NC	01N5267	27.53	
● A22E-M-02	Push-lock, turn reset	DPST-NC	55C4473	27.53	

CONTINUED

SWITCHES – EMERGENCY STOP • SWITCHES – REED

A22E SERIES EMERGENCY STOP SWITCHES (CONT.)

Mfg. Part No.	Description	Circuitry	Stock No.	Price Each	
				1-24	
A22ES01	Push-lock, turn reset	SPST-NC	66J1401	30.28	
A22ES11	Push-lock, turn reset	SPST-NO / SPST-NC	66J1403	26.61	
● A22E-MK-01	Push-lock, key reset	SPST-NC	01N5269	48.64	
● A22E-MK-02	Push-lock, key reset	DPST-NC	01N5270	41.31	

ILLUMINATED EMERGENCY STOP SWITCHES

● A22EL-M-24A-01	Push-lock, turn reset	SPST-NC	87H8522	39.46	
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EMERGENCY STOP SWITCHES WITH INTEGRATED CONTROL BOX

● A22E-M-01B	Push-lock, turn reset	SPST-NC	01N5266	57.81	
A22EM11B	Push-lock, turn reset	SPST-NO / SPST-NC	74K2297	65.16	
● A22E-M-02B	Push-lock, turn reset	DPST-NC	50M1990	65.16	

ACCESSORIES

Mfg. Part No.	Description	Stock No.	Price Each	
			1-24	
A22-24AR	Standard Red LED Lamp; 24VAC/VDC	01N5265	8.81	
● A22Z-3466-1	Legend Plate For Emergency Stop Switch	07H9788	3.61	
● A22Z-EG1	Emergency Off Shroud; SEMI S2 Compatible	01N5276	23.06	

(115464)

EMERGENCY STOP SWITCHES

- Voltage rating: 5A@125VAC, 3A@250VAC, 3A@30VDC
- Operating temperature: -10°C to 55°C
- Degree of protection: IP65 Oil-resistant



OMRON SCIENTIFIC TECHNOLOGIES, INC.



Mfg. Part No.	Circuitry	Diameter (mm)	Stock No.	Price Each	
				Each	2-4
A165E-S-02	DPST-NC	16	34C6295	44.69	43.64

(107602)

28mm EMERGENCY STOP SWITCHES

Features:

- Mushroom head actuator 28x30mm
- Illuminated actuator (optional)
- Red actuator

Specifications:

- Mechanical life: 100,000 operations
- Contact rating: 5A at 250VAC; 8A at 125VAC
- Max. insulation voltage: 2000V, 60HZ
- Panel thickness: 0.5mm to 5mm
- Degree of protection: IP65
- Operating temperature: -25°C to +55°C

NON-ILLUMINATED

Mfg. Part No.	Current (A)	Circuitry	Lamp	Termination	Stock No.	Price Each	
						1-24	
● MCADA16E6-R11-B10R	8	SPDT-1NO/1NC	...	Solder	12N2293	29.69	

ILLUMINATED

● MCADA16E6-R11-B1GR	8	SPDT-1NO/1NC	240V Neon	Solder	12N2290	30.29	
● MCADA16E6-R11-B1JR	8	SPDT-1NO/1NC	12V LED	Solder	12N2291	32.76	
● MCADA16E6-R11-B1KR	8	SPDT-1NO/1NC	24V LED	Solder	12N2292	36.72	

(142180)

XB6 SERIES 16mm MUSHROOM EMERGENCY STOP PUSHBUTTONS

Trigger action emergency stop. Complete unit features red key or red turn release. Direct-acting contacts and tactile/audible feedback. Diameter of head: 1.17" (30mm), 1 N/O and 1 N/C. Contacts rated 3A, 300V, NEMA 4X rating. UL listed, CSA certified, CE compliant.



XB6AS8345B

Mfg. Part No.	Description	Stock No.	Price Each	
			Each	2-4
XB6AS8345B	Red, Turn to Release	17C6994	95.32	90.57
● XB4BS542	Red, Turn to Release	80C6507	104.58	104.58

(61170)

ULTRA-MICRO SEALED SURFACE-MOUNT DRY REED SWITCHES



Short Gull Wing



Long Gull Wing



J-Lead

- Body length: 0.196" (5mm)
- Hermetically sealed in gas-filled envelope
- SPST-NO contact configuration
- Actuation by electromagnet, permanent magnet or combination of both
- Contact layers: gold, sputtered ruthenium
- Superior glass-to-metal seal and blade alignment
- Life expectancy: 100,000,000 operations minimum

SPECIFICATIONS

Operating Range (AT)*	5 to 15	Switching Power (W max.)	5
Release Range (AT)*	2 to 13	Switching Voltage (VDC max.)	175
Operating Time Including Bounce (ms typ.)	0.35 (20AT)	Switching Current (VDC max.)	350
Bounce Time (ms typ.)	0.1 (20AT)	Carrying Current (A max.)	0.5
Release Time (max.)	20 (20AT)	Contact Resist. (Ω Initial max.)	160 (20AT)
Resonant Frequency (Hz. Typ.)	21.3	Insulation Resistance (M Ω min.)	106

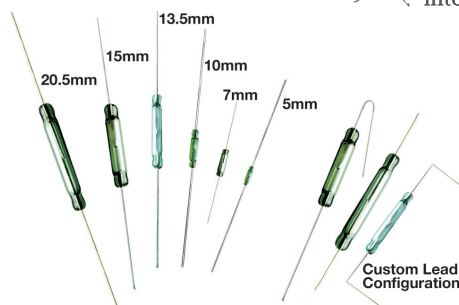
* AT values of switches are before SMD forming in PSC coil.

Operating temperature: -55°C to +125°C. Shock-tested to IEC 68-2-27. Vibration tested to IEC 68-2-6. Terminal strength tested to IEC 68-2-21. Custom operating ranges available; call.

Mfg. Part No.	Surface Mount Termination	Stock No.	Tape Cut Price Each			
			1-9	10-49	50-99	100+
● RI-80SMD0515-G1	Short Gull Wing	65K1070	2.81	2.62	2.41	2.36
● RI-80SMD0515-G2	Long Gull Wing	56K5673	1.84	1.58	1.39	1.20
● RI-80SMD0515-J1	J-Lead	65K1071	2.21	1.90	1.68	1.44

(78009)

DRY REED SWITCHES



- Contact layers: gold, sputtered ruthenium
- Superior glass-to-metal seal and blade alignment
- Hermetically sealed in a gas-filled envelope
- Life expectancy of at least 10 million operations

SPST type have normally open contacts and contain two magnetically actuated reeds. Switches are double ended and may be actuated by an electromagnet, a permanent magnet, or a combination of both. Additional versions in stock. Operate ranges to customer specifications as well as preformed leads are available; go online or call.

MICRO DRY-REEDS

Mfg. Part No.	Amp. Turns (On)	Switching			Stock No.	Price Each		
		Current (A)	Voltage (VDC)	Power (W)		1-9	10-49	50-99
● RI-23A*	18-32	0.5	200	10	65K1045	1.10	0.95	0.95
● RI-23AA*	14-23	0.5	200	10	65K1046	1.25	1.17	1.08
● RI-23AAA*	8-16	0.5	200	10	65K1047	1.56	1.34	1.18
● RI-23B*	28-52	0.5	200	10	65K1048	0.64	0.55	0.49
● RI-23C*	46-70	0.5	200	10	65K1049	1.25	1.17	1.08
● RI-25AAA	8-16	0.75	200	10	65K1052	1.20	1.12	1.03
● RI-25C	46-70	1	200	25	65K1054	1.31	1.23	1.13
● RI-46A	15-28	1	200	30	65K1063	1.25	1.17	1.08
● RI-46AA	10.5-19	0.75	200	30	65K1064	1.56	1.34	1.18
● RI-48A	15-28	1	200	70	65K1067	1.56	1.34	1.18

CLOSE DIFFERENTIAL MICRO DRY-REEDS

PICO DRY-REEDS								
Mfg. Part No.	Current (A)	Voltage (VDC)	Power (W)	Stock No.	1-9	10-49	50-99	
● RI-27AAA	10-19	0.5	180	10	65K1060	1.25	1.17	1.08
● RI-29A+	20-34	1	200	20	65K1061	1.25	1.17	1.08
● RI-29AA+	16-25	1	200	10	65K1062	1.25	1.17	1.08

➔ CONTINUED ➔

SENSORS – PHOTOELECTRIC

SM SERIES MINIATURE PHOTOELECTRIC SENSORS (CONT.)

RETROREFLECTIVE MODE (POLARIZED)

Mfg. Part No.	Input Voltage	Range	Connection	Output Type	Stock No.	Price Each
E65-SMPR3-HDD	10-30 VDC	10 ft. (3m)	4-Pin Micro Connector	NPN / PNP, 100 mA	47K7710	69.93
E65-SMPR3-GDD	18-50 VDC/18-264 VAC	10 ft. (3m)	4-Pin Micro Connector	NPN, 200 mA	47K7706	100.98

RETROREFLECTIVE (DIFFUSE MODE WITH ADJUSTABLE GAIN)

E65-SMSD200-HL	10-30 VDC	8 in. (200mm)	6.5 ft. (2m) Cable	NPN / PNP, 100 mA	47K7719	64.32
E65-SMSD200-HLD	10-30 VDC	8 in. (200mm)	4-Pin Micro Connector	NPN / PNP, 100 mA	47K7720	59.17
E65-SMSD200-GL	18-50 VDC/18-264 VAC	8 in. (200mm)	6.5 ft. (2m) Cable	NPN, 200 mA	47K7715	82.72
E65-SMSD200-GLD	18-50 VDC/18-264 VAC	8 in. (200mm)	4-Pin Micro Connector	NPN, 200 mA	47K7716	69.93

PERFECT PROX BACKGROUND REJECTION MODE

E65-SMPP100-HLD	10-30 VDC	4 in. (100mm)	4-Pin Micro Connector	NPN / PNP, 100 mA	47K7704	102.91
E65-SMPP100-GL	18-50 VDC/18-264 VAC	4 in. (100mm)	6.5 ft. (2m) Cable	NPN, 200 mA	47K7699	135.76
E65-SMPP100-GLD	18-50 VDC/18-264 VAC	4 in. (100mm)	4-Pin Micro Connector	NPN, 200 mA	47K7700	114.76

MOUNTING BRACKETS

Mfg. Part No.	Description	Stock No.	Price Each
6161AS6501	Right Angle Mounting Bracket for SM Series, Aluminum with Chromate Finish	44K9636	1-9 7.64

RETROREFLECTORS AND RETROREFLECTIVE TAPE

6200A-6502	2.18 in. Diameter Corner Cube Retroreflector, Adhesive Backed	44K9651	6.90
6200A-6506	3 in. Diameter Corner Cube Retroreflector, Metal Backed with Mounting Hole	44K9654	22.23

MICRO CONNECTOR CABLES

CSDS4A4CY2202	4-Pin, 4-Wire DC Micro Connector Cable, 22 AWG, PVC Jacket, 6.5 ft. (2m)	46K1910	31.64
CSAS4F4CY2202	4-Pin, 4-Wire AC Micro Connector Cable, 22 AWG, PVC Jacket, 6.5 ft. (2m)	46K1843	32.16

(142270)

HARSH DUTY PHOTOELECTRIC SENSORS



30 mm



Connector Version

- Thru-beam sensors operating voltage: 20-132VAC, 15-30VDC
- Optimum range: 0.1 to 300ft, (0.03 - 90m)
- 30 mm diameters
- Tempered glass lens cover

- 360° output indicator
- High temperature, high pressure washdown (1200 psi)
- Thru-beam component source

Design to withstand the harshest physical, chemical and optical environments. Ideal for automotive applications where exposure to lubricants, cutting fluids, coolants and glycols is common. Withstands the use of sanitizers, surfactants, and cleaning agents including diluted bases and acids.

THRU-BEAM SENSORS

Mfg. Part No.	Sensing Range (m)	Connector Type	Thru-Beam Component	Stock No.	Price Each
E58-30TS250-GA	250	2-meter Cable	Source	47K7456	287.75
E58-30TS250-GAP	250	4-pin Micro AC Connector	Source	47K7459	327.42
E58-30TD250-GD	250	2-meter Cable	Detector	47K7423	335.00
E58-30TD250-GL	250	2-meter Cable	Detector	47K7428	335.00
E58-30TD250-GLP	250	4-pin Micro AC Connector	Detector	47K7431	371.29

(86692)

EE-SY1200 PHOTOMICROSENSOR REFLECTIVE SENSOR



NEW

- Ultra-compact model.
- PCB surface mounting type.
- High S/N ratio (High light current / Low leakage current)
- Emitter: Forward current IF 50*1 mA Pulse forward current IFP 500*2 mA, Reverse voltage VR 4 V
- Detector: Collector-Emitter voltage VCEO 30 V, Emitter-Collector voltage VCECO 5 V, Collector current IC 20, Collector dissipation PC 50*1 mW
- Operating temperature: -25°C to +85°C

Mfg. Part No.	Description	Stock No.	Price Each
EE-SY1200	Photomicrosensor (Reflective)	50T4211	1-24 2.43

(197154)

E3ZM-B SERIES TRANSPARENT OBJECT DETECTION COMPACT PHOTOELECTRIC SENSORS



NEW



- Sensing distance: 100 to 500 mm (Using E39-RP1)
- Standard sensing object: 500-ml, transparent, round PET bottle (65-mm dia.)
- Sensing method: Retroreflective
- Directional angle: Sensor: 3° to 10°, Reflector: 30°
- Light source (wavelength): Red LED (650 nm)
- Power supply voltage: 10 to 30 VDC
- Current consumption: 450 mW max.
- Response time: Operate or reset: 1 ms max.
- Ambient temperature operating range: -40°C to 60°C
- Ambient humidity operating range: 35% to 85%
- Insulation resistance: 20 Mohm min. at 500 VDC
- Dielectric strength: 1,000 VAC, 50 Hz for 1 min



New detection method that is independent of bottle shape, position, and contents. Automatic compensation against effects of contamination and temperature (except E3ZM-B T). Product lineup includes models with adjuster (E3ZM-B T). Detects transparent objects made by PET, resin, and glass.

Mfg. Part No.	Sensor Output	Sensing Range	Connection Method	Stock No.	Price Each
E3ZM-B61-C 2M	NPN	100mm to 500mm	Pre-wired 2 m	08R8727	300.40
E3ZM-B66-C	NPN	100mm to 500mm	Connector (M8, 4 pins)	08R8729	300.40

(197548)

SA1U HEAVY DUTY PHOTOELECTRIC SENSORS

NEW



- Long range sensing distance from 1 meter to 50 meters
- 3 A relay contact SPDT
- Time delay functions
- Spring up screw terminals
- 12-240 VDC / 24-240 VAC universal voltage
- Response time: 20 ms max.



These sensors are assembled in a fully automated robotic process and are UL/c-UL listed, CE marked and IP67 rated, making them ideal for use in wet environments such as bottling and food processing industries. Built-in 3 amp relay contacts (NO/NC) and time delay functions give customers the ability to configure the sensor for their specific needs. There are four timing delay functions to choose from: one shot, ON delay, OFF delay and normal mode, as well as a 0.1 to 5 second time range.

Mfg. Part No.	Sensing Mode	Sensing Range (m)	Time Delay Functions	Stock No.	Price Each
SA1U-T50MW	Through-Beam	50	Without	46T9541	135.85
SA1U-T50MWT	Through-Beam	50	With	46T9542	146.31
SA1U-P07MW	Polarized Retroreflective	7	Without	46T9539	114.95
SA1U-P07MWT	Polarized Retroreflective	7	With	46T9540	125.40
SA1U-D01M	Diffuse	1	Without	14P9727	105.77
SA1U-D01MT	Diffuse	1	With	14P9728	130.63
SA1U-D01MW	Diffuse	1	Without	46T9537	103.46
SA1U-D01MWT	Diffuse	1	With	46T9538	114.95
SA1U-B02MW	Background Suppression	2	Without	46T9536	135.85
SA1U-B02MWT	Background Suppression	2	With	25T0240	124.00

(136224)

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(197040)

OPERATOR INTERFACES (HMI)

OPERATOR INTERFACES (CONT.)

monitor application right from the office. The 5.7" STN LCD screens are available in monochrome or color. The entire touchscreen family works with all of IDEC's PLCs, and drivers are available to make them compatible with PLCs from other manufacturers.

OPERATOR INTERFACES

Mfg. Part No.	Description	Stock No.	Price Each	
			1-2	3+
● HG4F-JT22TFW	12.1" TFT LCD Touchscreen, 256 Color, Light Gray Bezel	08J5069	2549.89	2375.24
● HG4F-JT22TFW-DH485-500	12.1" TFT LCD Touchscreen with DF1/DH485 converter/cable package for SLC500 (w/RJ45 connector), Light Gray Bezel	81H5061	2703.19	2518.04
● HG3F-F22TFW	10.4" TFT LCD Touchscreen, 256 Color, Light Gray Bezel	08J5067	2038.89	1899.24
● HG3F-F22TFB	10.4" TFT LCD Touchscreen, 256 Color, Black Bezel	82K8314	2038.89	1899.24
● HG3F-F22TFW-DH485-500	10.4" TFT LCD Touchscreen with DF1/DH485 converter/cable package for SLC500 (w/RJ45 connector), Light Gray Bezel	08J5068	2192.19	2042.04
● HG2G-5F22TF-B	5.7" TFT Color LCD High-Performance OI Touchscreen with Serial, Ethernet, USB Ports, Black Bezel	48T2887	933.49	...
● HG2G-5T22TF-B	5.7" TFT LCD Basic OI Touchscreen, 256 Color, with Ethernet Port, Black Bezel	48T2888	672.74	...
● HG2G-5T22VF-B	5.7" TFT LCD Basic OI Touchscreen, 256 Color, without Ethernet Port, Black Bezel	48T2889	620.59	...
● HG2G-SB21TF-B	60T5871	60T5871	573.65	...
● HG2G-SB22TF-W	5.7" STN Monochrome LCD Touchscreen, RS232C/485/422 connector, Ethernet Port, Light gray bezel	10R5641	573.65	...
● HG2G-SB21VF-B	5.7" STN Monochrome LCD Touchscreen, RS232C/485/422 (9-pin terminal) black bezel	73R4792	469.35	...
● HG2G-SB22TF-B	5.7" STN Monochrome LCD Touchscreen, RS232C/485/422 connector, Ethernet Port, Black bezel	10R5639	573.65	...
● HG2G-SB22TF-S	5.7" STN Monochrome LCD Touchscreen, RS232C/485/422 connector, Ethernet Port, Silver bezel	10R5640	573.65	...
● HG2G-SB22VF-W	5.7" STN Monochrome LCD Touchscreen, RS232C/485/422 connector, Light gray bezel	10R5644	469.35	...
● HG2G-SB22VF-B	5.7" STN Monochrome LCD Touchscreen, RS232C/485/422 connector, Black bezel	10R5642	469.35	...
● HG2G-SB22VF-S	5.7" STN Monochrome LCD Touchscreen, RS232C/485/422 connector, Silver bezel	10R5643	469.35	...
● HG2G-SS21VF-B	5.7" STN 256 Color LCD Touchscreen, RS232C/485/422 (9-pin terminal) black bezel	73R4793	651.88	...
● HG2G-SS22TF-W	5.7" STN 256 Color LCD Touchscreen, RS232C/485/422 connector, Ethernet Port Light gray bezel	10R5647	746.03	...
● HG2G-SS22TF-B	5.7" STN 256 Color LCD Touchscreen, RS232C/485/422 connector, Ethernet Port Black bezel	10R5645	756.18	...
● HG2G-SS22TF-S	5.7" STN 256 Color LCD Touchscreen, RS232C/485/422 connector, Ethernet Port Silver bezel	10R5646	756.18	...
● HG2G-SS22VF-W	5.7" STN 256 Color LCD Touchscreen, RS232C/485/422 connector, Light gray bezel	56P2474	651.88	...
● HG2G-SS22VF-B	5.7" STN 256 Color LCD Touchscreen, RS232C/485/422 connector, Black bezel	10R5648	651.88	...
● HG2G-SS22VF-S	5.7" STN 256 Color LCD Touchscreen, RS232C/485/422 connector, Silver bezel	10R5649	651.88	...
● HG1F-SB22BF-B	4.6" STN Monochrome LCD Touchscreen, Black Bezel, RS232	34M2286	364.01	...
● HG1F-SB22BF-W	4.6" STN Monochrome Touchscreen, Light Gray Bezel, RS232	29M9603	364.01	...
● HG1F-SB22YF-B	4.6" STN Monochrome LCD Touchscreen, Black Bezel, RS485/422	46M3104	364.01	...
● HG1F-SB22YF-W	4.6" STN Monochrome LCD Touchscreen, Light Gray Bezel, RS485/422	46M3218	364.01	...
TOUCHSCREEN STARTER KITS				
● SMARTTOUCH-1F	HG1F 4.6" Monochrome STN Black Bezel, RS232 Comm software and programming cable included	29M8420	411.77	...
● SMARTTOUCH-3F	HG3F 10.4" Color TFT Light Gray Bezel software and programming cable included	19K1151	2058.84	...

▶ CONTINUED ▶

OPERATOR INTERFACES (CONT.)

TOUCHSCREEN STARTER KITS

Mfg. Part No.	Description	Stock No.	Price Each	
			1-2	3+
● SMARTTOUCH-2G-C12V	HG2G 5.7" Color TFT Black Bezel, software and programming cable included	73R4796	833.21	...
● SMARTTOUCH-2G-EC	HG2G 5.7" Color TFT Black Bezel, ethernet port software and programming cable included	73R4797	913.16	...
● SMARTTOUCH-2G-EM	HG2G 5.7" Monochrome Black Bezel, ethernet port software and programming cable included	73R4798	773.61	...
● SMARTTOUCH-2G-M12V	HG2G 5.7" Color TFT Black Bezel, software and programming cable included	73R4799	654.41	...
● SMARTTOUCH-4F	HG4F 12.1" Color TFT Light Gray Bezel, software and programming cable included	16P9100	2616.44	...

SOFTWARE

● SW1A-W1C	Automation Organizer Software Suite	10R5635	364.01	364.01
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CABLES

● HG9Z-XCM1A	Programming cable for all Touchscreen	15C7023	27.13	27.13
● FC4A-KC2CA	Cable between Microsmart Series and HG2F/3F/4F, RS232 Comm. Type using Microsmart built-in port or FC4A-PC1/HPC1(comm. Adaptor), 5ft.	08J5058	27.13	27.13
● HG9Z-3C115A	Cable between Microsmart Series and HG2F/3F/4F, RS485 Comm. Type using Microsmarts' FC4A-PC2/HPC2 (comm. adaptor), 5ft.	92C3150	26.61	26.61
● HG9Z-2C145A	Cable between Microsmart Series and HG2F/3F/4F, RS485 Comm. Type using Microsmarts' FC4A-PC3/HPC3 (comm. adaptor), 5ft	92C3147	27.13	27.13
● HG9Z-2C135A	Cable between AB-Micrologix series and HG2F/3F/4F - 5 ft	08J5070	47.88	47.88

(72440)

NT11 SERIES PROGRAMMABLE TERMINALS AND NT2S SERIES OPERATOR INTERFACES



NT11



NT2S

- Supply voltage: 24 VDC
- Power consumption: 10 W max.

Dot matrix of STN liquid crystal display panel. Number of dots: 160 x 64 Effective display area: 100 x 40 mm Life expectancy: 50,000 hours minimum View angle (left/right direction): ±20°. Backlight LED. Life expectancy: 50,000 hours minimum. Automatic turn-off: can be set to turn off in 10 minutes or 1 hour, or to remain on. Normal characters (8 x 16 dots): Alphanumerics and symbols, marks (8 x 16 dots): User-defined, 64 max.

NT11 SERIES

Mfg. Part No.	Description	Stock No.	Price Each
● NT11-SF121-EV1	Ten-key type (frame color-beige)	10R5239	632.20
● NT11-SF121B-EV1	Ten-key type (frame color-black)	10R5240	584.07

ACCESSORIES

NT-ZJCAT1-EV4	Support Software, CD-ROM	10R5238	696.96
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NT2S SERIES OPERATOR INTERFACES

● NT2S-SF121B-EV2	6 function key, 2x16 character LCD, RTC, external 24 VDC	41T0760	460.92
● NT2S-SF122B-EV2	6 function key, 2x16 character LCD, Programmable, 5 VDC	86H9377	379.43
● NT2S-SF123B-EV2	6 function key, 2x16 character LCD, PLC ASCII-based program, 5 VDC	10R5245	303.28
● NT2S-SF125B-E	8 function key+numpad, 2x16 character LCD, Programmable, RTC, external 24 VDC	10R5246	606.55
● NT2S-SF126B-E	8 function key+numpad, 2x16 character LCD, Programmable, 5 VDC	10R5247	530.40
● NT2S-SF127B-E	8 function key+numpad, 2x16 character LCD, PLC ASCII-based program, 5 VDC	10R5248	454.24

ACCESSORIES

NT2S-CN212-V1	2 m Cable SF121 model - 9-Pin to PLC peripheral (CPM1A, CPM2A)	10R5241	106.88
NT2S-CN215V1	5 m Cable SF121 model - 9-Pin to PLC peripheral (CPM1A, CPM2A)	10R5242	124.25
● NT2S-CN222-V1	2 m Cable SF122/SF123 model - 9-Pin to PLC peripheral (CPM1A, CPM2A)	20C3799	90.85
NT2S-CN223-V2	2 m Cable SF121 model - 9-Pin to PLC mini- peripheral (CPM2C, CQM1H, CJ1, CS1)	40M9451	144.29
NT2S-CN225-V2	5 m Cable SF122/SF123 model - 9-Pin PLC peripheral (CPM1A, CPM2A)	10R5244	106.88

▶ CONTINUED ▶

7

TIMERS – 1/16 DIN

1/16 DIN DIGITAL LCD TIMERS

- LE3S / LE3SA / LE3SB
- Wide range of power supply: 24-240VAC @ 50/60Hz, 24-240VDC
- Easy to switch Up/Down mode
- 10 programmable output modes and timing ranges
- Selectable function by front digital switches
- Graphic output contact status display (NO/NC)
- BAR graph display of time progressing in 5% increments



LE4S



LE3S

LE4S / LE4SA

- Wide range of power supply: 24-240VAC @ 50/60Hz, 24-240VDC
- Improved return time: 100ms
- Easy function setting modes
- Lock setting function for saving setting value
- Function setting with soft touch
- High visibility display with back light ON/OFF function

DIGITAL LCD TIMER (48 x 48 x 74mm)

Mfg. Part No.	Di-gits	Time Range	Control Output Contact Type	Timing Operation	Stock No.	Price Each
LE3S-24-240	3	0.01sec to 9.99hr	Time Limit SPDT	Signal ON	79R2471	85.95
LE3SA-24-240	3	0.01sec to 9.99hr	Time Limit DPDT	Power ON	22T2129	85.95
LE3SB-24-240	3	0.01sec to 9.99hr	Time Limit SPDT / Instantaneous SPDT	Power ON	22T2130	85.95

(194794)

MULTI-MODE TIMERS



- Delayed DPDT or delayed SPDT plus instantaneous SPDT
- 8- or 11-pin termination
- Dimensions: 1.57H x 1.42W x 2.53"D (40 x 36 x 64.2mm)
- UL listed, CE



GT3A



GT3W

GT3A is analog set type, has contacts rated 250VAC/5A, 30VDC/5A max. POWER indicator flashes during time-delay operation, OUT indicator remains on while output on. Life expectancy: 20,000,000 operations mechanical, 100,000 electrical. GT3W is analog set type with two time settings and 8 selectable operation modes in each timer. They come with power and output status LEDs and time ranges up to 300 hours. Other time ranges available; go online or call.

ANALOG MODELS

Mfg. Part No.	Contacts	Time Range	Voltage	Pins	Stock No.	Price Each
GT3A-2AF20	Delayed SPDT	0.05sec to 180hr	100-240VAC	8	96F3881	69.47
GT3A-3AF20	Delayed DPDT	0.05sec to 180hr	100-240VAC	8	96F3884	63.92
GT3F-2AF20	Delayed DPDT	0.05 sec. to 600 sec.	100-240VAC	8	50B4190	82.67
GT3A-4AF20	Delayed DPDT	0.05sec to 180hr	100-240VAC	11	96F3887	63.92
GT3A-4AD24	Delayed DPDT	0.05 sec. to 180 hr.	24VAC/VDC	11	92B4668	68.93

ANALOG DUAL TIME ADJUSTMENT MODELS

GT3W-A11AF20N	Delayed DPDT	0.1 sec. to 6 hr.	100-240VAC	8	26H1600	82.67
GT3W-A11AD24N	Delayed DPDT	0.1 sec. to 6 hr.	24VAC/VDC	8	73H5759	85.91
GT3W-A33AF20N	Delayed DPDT	0.1 sec. to 300 hr.	100-240VAC	8	65R5058	85.91
GT3W-A33AD24N	Delayed DPDT	0.1 sec. to 300 hr.	24VAC/VDC	8	54K3305	85.91

SOCKETS AND ACCESSORIES

Mfg. Part No.	Description	Stock No.	Price Each	
			1-49	50-99
SR2P-06	8-Pin Snap-Mount DIN Rail Socket	13M2991	4.95	4.48
SR3P-06	11-Pin Snap-Mount DIN Rail Socket	18M9335	7.90	7.16
SR6P-M08G	8-Pin Wiring Socket Adapter	13M3003	7.64	7.49
SR6P-M11G	11-Pin Wiring Socket Adapter	13M3004	17.25	16.26
RTB-G01	Panel Mount Adapter	96F3910	3.91	3.32

(2738)

10A MULTIFUNCTION TIMERS

- Time range: 0.1 sec-600 hrs
- DPDT (delayed outputs) contacts
- Reset time: 0.1 sec. max
- Mechanical life expectancy: 50,000,000 operations



Feature ON-delay/interval or signal OFF-delay/single shot and high-repeat accuracy of ±0.25%. Contacts rated 10A resistive at 240VAC/30VDC; 7A inductive at 240VAC/30VDC. 1.575"(40H) x 1.417"(36W) x 2.362"(60D). Use socket SR3B-05 for 11-blade terminals. Use socket SR2P-06 for 8-pin terminals. Use sockets SR3P-05 and SR3P-05C for 11-pin terminals.

Mfg. Part No.	Timing Function	Input Voltage	Termination	Stock No.	Price Each
RTE-P2AF20	ON/OFF delay, OFF-delay, 1-shot	100-240VAC	11-pin	83H4153	66.86
RTE-P2D12	ON/OFF delay, OFF-delay, 1-shot	12VDC	11-pin	82H8176	69.47
RTE-P2AD24	ON/OFF delay, OFF-delay, 1-shot	24V AC/DC	11-pin	83H4152	66.86
RTE-B2AF20	ON/OFF delay, OFF-delay, 1-shot	100-240VAC	11-blade	83H4147	66.86
RTE-B2AD24	ON/OFF delay, OFF-delay, 1-shot	24V AC/DC	11-blade	78H1740	69.47
RTE-P1AF20	On-Delay, Interval, cycle OFF, cycle ON	100-240VAC	8-pin	83H4150	54.07
RTE-B1AF20	On-Delay, Interval, cycle OFF, cycle ON	100-240VAC	11-blade	82H2304	62.61
RTE-P1D12	On-Delay, Interval, cycle OFF, cycle ON	12VDC	8-pin	83H4151	54.07
RTE-P1AD24	On-Delay, Interval, cycle OFF, cycle ON	24V AC/DC	8-pin	83H4149	54.07
RTE-B1D12	On-Delay, Interval, cycle OFF, cycle ON	12VDC	11-blade	83H4146	65.04
RTE-B1AD24	On-Delay, Interval, cycle OFF, cycle ON	24V AC/DC	11-blade	83H3624	60.57

(2740)

ON-DELAY TIMERS



- Delay-on-make (ON delay) function
- DPDT or SPDT + instantaneous SPDT contacts
- Contact rating: 24VDC/120VAC 5A, 240VAC 3A
- 8 time ranges
- Adjustable from 0.1 sec. to 10 min. or 0.1 min. to 10 hours
- Large, clear knob for easy setting
- Repeat error ±0.2% maximum
- Instant monitoring of operational status by LED indicators
- 8-pin, octal base



GE1A series timers are single-function (On Delay) time-delay relays. Extremely easy to configure for a wide variety of set times, the GE1A series serves as a simple "plug-and-play" timing solution. Handles settings up to 10 hours. 2 different contact configurations are designed to meet most application requirements. With IDEC's accessories, DIN rail, socket or through-panel (with a clear plastic protective cover) mounting configurations are available.

TIMERS

Mfg. Part No.	Contacts	Time Range	Rated Voltage	Stock No.	Price Each
GE1A-B10HA110	Del. SPDT and Inst. SPDT	0.1min. to 10hr.	110-120VAC	83C9524	31.50
GE1A-B10MA110	Del. SPDT and Inst. SPDT	0.1sec. to 10min.	110-120VAC	83C9527	32.68
GE1A-B10MAD24	Del. SPDT and Inst. SPDT	0.1sec. to 10min.	24VAC/VDC	83C9526	31.50
GE1A-C10HA110	Delayed DPDT	0.1min. to 10hr.	110-120VAC	83C9530	31.50
GE1A-C10MA110	Delayed DPDT	0.1sec. to 10min.	110-120VAC	83C9532	30.31
GE1A-C10MAD24	Delayed DPDT	0.1sec. to 10min.	24VAC/VDC	72C6940	31.50

ACCESSORIES

Mfg. Part No.	Description	Stock No.	Price Each	
			1-24	25-49
SR6P-M08G	Screw Terminal Socket Adapter for Panel Mounting	13M3003	7.94	7.64
GE9Z-AD	Panel Mount Adapter	83C9534	2.55	2.43
GE9Z-C48	Clear Plastic Dust Cover	83C9535	2.68	2.46
SR2P-06	8-Pin Snap Mount DIN Rail Socket	13M2991	4.95	4.95
SY4S-05	Standard DIN Rail, for use with Optional Mounting Clip SFA-202	13M3022	9.44	9.44
SY4S-05C	Finger-Safe DIN Rail, for use with Optional Mounting Clip SFA-202	13M3023	11.28	11.28
SFA-202	Mounting Clip for use with DIN Rails	16F5300	0.32	0.28

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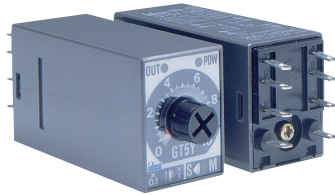
ON-DELAY TIMERS



1/16 DIN ANALOG SET ON-DELAY TIMERS



GT5Y series on-delay timers with four selectable time ranges feature control setting set by hand or screwdriver. Power ON and timing and LED indicators. Operating temperature: -10°C to +50°C.



- Analog-Set Dial
- Field-Selectable Time Ranges from 0.05 Second to 300 Hours or 0.1 Second to 600 Hours
- Select 2-, 4-, or 6-Function Models to Handle Most Applications
- Wide-Range AC/DC Supply Voltage Models (AC100-240/DC100-125 or AC24-48/DC12-24)
- NPN Input; PNP Available
- Short, 80mm (3.15") Panel Mounting Depth with Socket Allows Space-Efficient Control Panel Design
- 8- or 11-Pin Mounting
- DPDT 5A@240VAC/30VDC Relay Output
- Choice of Light Gray, Medium Gray, or Black Panel Covers to Match Panel Aesthetics

100-120VAC

Mfg. Part No.	Time Range	Contacts	Stock No.	Price Each	
				1-9	10-24
GT5Y-4SN1A100	0.1 sec. to 10 min.	4PDT	66F4213	40.70	36.37
GT5Y-4SN3A100	0.1 sec. to 30 min.	4PDT	16F281	40.70	36.37
GT5Y-4SN6A100	0.1 sec. to 60 min.	4PDT	16F5291	39.38	37.22
GT5Y-2SN1A100	0.1 sec. - 10 min.	DPDT	16F280	40.70	36.37
GT5Y-2SN3A100	0.1 sec. to 30 min.	DPDT	30B6301	40.70	36.37
GT5Y-2SN6A100	0.1 sec. to 60 min.	DPDT	30B6306	43.90	39.22

24VDC

GT5Y-4SN1D24	0.1 sec. to 10 min.	4PDT	16F5292	40.70	36.37
GT5Y-4SN3D24	0.1 sec. to 30 min.	4PDT	16F5293	43.90	39.22
GT5Y-4SN6D24	0.1 sec. to 60 min.	4PDT	16F5294	39.38	37.22

12VDC

GT5Y-2SN1D12	0.1 sec. to 10 min.	DPDT	30B6300	39.38	37.22
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SOCKETS AND ACCESSORIES

Snap on to 1.38" (35mm) DIN rails.

Mfg. Part No.	Description	Mounting Clip (Opt.)	Stock No.	Price Each	
				1-49	50-99
● SY4S-51	Panel Mt. Socket w/Solder Terms.	SFA-302	13M3024	1.40	1.28
● SY4S-61	PC Board Mount Socket	SFA-302	13M3025	1.49	1.35
● SY4S-62	PC Board Mount Socket	SY4S-51F1	13M3026	1.49	1.35
● SFA-302	Mounting Clip for SY4S-51, SY4S-61 Sockets		16F5301	0.23	0.19

(3071)

1/16 DIN MULTIFUNCTION DIGITAL TIMER



- ON-Delay, Twin Timer, Repeat Cycle, Interval and Cumulative Timing Functions Available
- Large Backlit Negative LCD Display for Dim Lighting Conditions and Wide Angles
- Wide Variety of Timing Ranges from 0.0015 to 9999h
- Finger-Safe Terminal Sockets and Cover Available
- Supply Voltage: 100 to 240VAC, 50/60Hz
- Operating Voltage: 85% to 110% VAC or 90% to 110% VDC
- Power Consumption: Approx. 6.2VA at 264VAC
- Display: 11.5mm High Characters (Present Value); 6mm High Characters (Set Value); 7-Segment Negative Transmissive LCD
- Input Signals: Start, Gate (H5CX-A) and Reset; 1 or 20 ms Input Signal Width

Use the external DIP switch to configure the timer for simple jobs and the front panel switches for more complex settings. 5A at 250VAC, SPDT contact output. Control output: SPDT contact, rated 5A@250VAC resistive load. Twin timer available on all models. Units with transistor output also available; Go online or call. UL listed, UL recognized, CE compliant.

TIMERS

Mfg. Part No.	Supply Voltage	Termination	Stock No.	Price Each	
● H5CX-A-N AC100-240	100-240VAC	Screw Terminal	50R9064	183.73	
● H5CX-AD-N AC24/DC12-24	12-24VDC or 24VAC	Screw Terminal	55R0460	183.73	
● H5CX-A11-N AC100-240	100-240VAC		53R1665	183.73	
● H5CX-LB-N AC100-240	100-240VAC	8-Pin Socket	63R6158	216.74	
● H5CX-L8D-N AC24/DC12-24	12-24VDC or 24VAC	8-Pin Socket	52R7884	196.83	

ACCESSORIES

Mfg. Part No.	Description	Stock No.	Price Each	
● Y92F-30	Flush Mounting Adapter, Supplied with Screw Terminal Units	88K2030	10.26	9.78
● P2CF-08-E	8-Pin Track or Flush-Mount Socket	84C9861	13.29	11.89
● P2CF-11-E	11-Pin Track-Mounting, Front-Connecting Socket with Finger-Safe Terminals	98B1828	12.55	11.22
● P3G-08	8-Pin Panel-Mount Socket	88K1975	15.96	14.28
● P3GA-11	11-Pin Track-Mounting, Back-Connecting Socket	88K1976	18.24	16.32
● Y92A-48G	Finger-safe Terminal Cover for P3G-08 or P3GA-11 Socket	88K1286	5.83	5.25

(72211)



1/16 DIN DIGITAL SET TIMER WITH BAR GRAPH DISPLAY



H3CA timer offers accurate digital thumbwheel setting and easy-to-read LCD bar graph display for time remaining and LCD indicator of output status. Eight field-selectable operation modes include ON-delay, signal interval/OFF-delay I, repeat cycle, signal OFF-delay (I and II), interval, cycle, and signal ON-delay/OFF-delay. Seven selectable timing ranges from 0.1 second to 9990 hours. Universal voltage 24-240VAC or 12-240VDC, control output SPST 3A, 250VAC. Includes three no-voltage inputs for start, reset, and gate. Dimensions: 1.89H x 1.89W x 3.50"D (48 x 48 x 89). Requires 11-pin socket, ordered separately; go online or call. UL recognized, CSA certified.



Mfg. Part No.	Description	Stock No.	Price Each	
● H3CA-A	Digital Set Multi-Mode Timer	18M7364	155.52	145.80

(3015)

P&B 10A MULTIFUNCTION TIME-DELAY RELAY



DPDT multifunction time-delay relay for plug-in or panel mounting. Five timing functions selectable via rotary switch. 0.1 sec. to 9,990 hr. timing range. Fixed input type (120VAC ±15%). Rated 10A @ 30VDC/277VAC resistive. 1/16 DIN style enclosure with 11-pin octal plug-in base. Thumbwheel switches for programming delay time. Outline dimensions in inches (mm): 2.83 (71.9)L x 1.88 (47.8)H x 1.88(47.8)W. Use SSA-24C667 mounting clip to secure relay in panel-mount applications. UL recognized E22575, CSA certified LR15734.



RELAY

Mfg. Part No.	Nominal Voltage	Power Consumption	Stock No.	Price Each		
				1-4	5-9	10-24
CNM5	120VAC	3VA @ 120VAC	93F1051	85.28	79.55	79.55

➔ CONTINUED ➔

CONTROLLERS – PLCS

COMBINATION STARTER KITS - TOUCHSCREEN AND PLC

NEW



Starter Kits include components built to work together to give you the most for your money. Starter Kits provide everything you need to automate an existing system with ease, providing a complete automation control strategy at a bargain price. Each Package includes an IDEC touchscreen, a MicroSmart Pentra PLC (Slim or All-in-One design), a slim power supply, cables and software.



Mfg. Part No.	Description	Stock No.	Price Each	
			1-2	
KIT-PENTRA-12-HG1F	4.6" LCD Screens, RS232 Interface Module, PLC, Power Supply, Cables and Software	93T2119	1105.77	
KIT-PENTRA-12-HG2G-HP	5.7" LCD Screens, Interface Module, PLC, Power Supply, Cables and Software	93T2120	1597.77	
KIT-PENTRA-12-HG2G-TE	5.7" LCD Screens, Ethernet, Interface Module, PLC, Power Supply, Cables and Software	93T2121	1413.28	
KIT-PENTRA-12-HG3G-AHP	10.4" LCD Screens, Interface Module, PLC, Power Supply, Cables and Software	93T2122	2274.28	
KIT-PENTRA-12-HG3G-8HP	8.4" LCD Screens, Interface Module, PLC, Power Supply, Cables and Software	93T2123	1905.28	
KIT-PENTRA-12-HG4G-HP	12.1" LCD Screens, Interface Module, PLC, Power Supply, Cables and Software	93T2124	2581.77	

(203478)

MICROSMART PENTRA PLCS

NEW



PLC Starter Kits

FC5A Features

- Embedded Ethernet port
- Modbus TCP, RTU and ASCII
- Email and Text notifications
- Custom web page
- USB programming port
- Up to 7 Communication ports
- Use FC4A expansion I/O modules
- Max. 512 local I/Os
- Online Edit
- UL/cUL, Class 1 Div 2, CE, ABS

FC4A Features

- Max. 264 I/O
- Datalink up to 32 PLCs
- Easy programming
- 20kHz high speed I/O
- Standard RS232C port, optional RS485/RS232 port
- UL, c-UL, Class 1 Div 2, CE

The MicroSmart and MicroSmart Pentra systems can be used in any type of control application and can handle very sophisticated tasks. Available in two different CPU styles. Up to 264 I/Os can be configured in the MicroSmart system using FC4A MicroSmart expansion modules. Up to 512 I/Os can be configured in the MicroSmart Pentra system using the same FC4A MicroSmart expansion modules.

FC4A ALL-IN-ONE CPU

Mfg. Part No.	Supply Voltage	Output Type	Total I/O	Stock No.	Price Each	
					1-2	
FC4A-C10R2	100-240 VAC	Relay	10 (14 in/10 out)	83C9473	162.86	
FC4A-C16R2	100-240 VAC	Relay	16 (14 in/10 out)	83C9474	225.78	
FC4A-C24R2	100-240 VAC	Relay	24 (14 in/10 out)	66M8440	337.50	

FC5A ALL-IN-ONE BASE

FC5A-C10R2D	12 VDC	Relay	10 (6 in/4 out)	10R5636	169.55	
FC5A-C16R2	100-240 VAC	Relay	16 (9 in/7 out)	93K6471	242.82	
FC5A-C16R2C	24 VDC	Relay	16 (9 in/7 out)	93K6472	256.50	
FC5A-C16R2D	12 VDC	Relay	16 (6 in/4 out)	10R5637	242.82	
FC5A-C24R2	100-240 VAC	Relay	24 (14 in/10 out)	66M8442	346.50	
FC5A-C24R2D	12 VDC	Relay	24 (14 in/10 out)	09P2309	346.50	

FC4A SLIM CPU

FC4A-D20R1	24 VDC	Relay/Transistor Sink	20 (16 in/16 out)	47M3615	310.08	
FC4A-D20RS1	24 VDC	Relay/Transistor Source	20 (16 in/16 out)	47M3616	306.00	

FC5A SLIM CPU

FC5A-D12K1E	24 VDC	Transistor Sink	(8 in/4 out)	46T9475	453.16	
FC5A-D12S1E	24 VDC	Transistor Source	(8 in/4 out)	41T3381	568.10	

FC5A SLIM BASE

FC5A-D16RS1	24 VDC	Relay & Transistor Source*	16 (8 in/8 out)	93K6476	319.50	
FC5A-D32K3	24 VDC	Transistor Sink	32 (16 in/16 out)	93K6477	517.50	
FC5A-D32S3	24 VDC	Transistor Source	32 (16 in/16 out)	93K6478	517.50	

CONTINUED

MICROSMART PENTRA PLCS (CONT.)

DIGITAL I/O EXPANSION MODULES

Mfg. Part No.	Description	Stock No.	Price Each	
			1-2	
FC4A-N08B1	8-pt 24VDC Input	25C4107	82.08	
FC4A-N16B1	6-pt 24VDC Input	25C4108	145.72	
FC4A-M08BR1	4in/4out DC in Relay out	25C4106	139.50	
FC4A-T08K1	8-pt Tran. Sink output	25C4120	126.00	
FC4A-R081	8-pt Relay output	27M4043	112.32	
FC4A-R161	16-pt Relay output	29M9917	193.50	

ANALOG I/O EXPANSION MODULES

Mfg. Part No.	Description	Stock No.	Price Each	
			1-2	
FC4A-J8C1	8-pt voltage/current input	34M2289	276.90	
FC4A-J4C1	4-pt combination (V,I, RTD, thermocouple) input	05N6666	315.90	
FC4A-K2C1	2-pt output (-10-10V, 4-20mA)	34M2290	166.14	
FC4A-K4A1	4-pt output (-10-10V, 4-20mA)	47T1243	363.22	
FC5A-F2M2	PID Control Module analog out	47T1245	478.28	
FC5A-F2MR2	PID Controls Module, Relay Outputs	47T1244	478.28	
FC4A-K4A1	Analog Output Module 4 channels	47T1243	363.22	

COMMUNICATION MODULES

Mfg. Part No.	Description	Stock No.	Price Each	
			1-2	
FC5A-SIF4	RS485C communication module (FC5A CPU only)	73R4803	242.03	
FC4A-HPC1	RS232C communication module for slim CPU	83C9483	38.34	
FC4A-HPC3	RS485 communication module for slim CPU	35C2511	50.77	

OPTIONAL MODULES AND ACCESSORIES

SW1A-W1C	Automation Organizer Software Suite	10R5635	364.01	
FC4A-KC4CA	Programming cable	94C3980	34.29	
FC4A-PT1	Real-time clock cartridge	25C4117	39.42	

FC4A STARTER KITS

Mfg. Part No.	Description	Stock No.	Price Each	
			1-2	
MM-SMART-16	FC4A-C16R2 CPU, SW1A-W1C software, cable	84C6193	360.26	

FC5A STARTER KITS

MM-PENTRA-12	FC5A-D12RS1 CPU, SW1A-W1C software, cable	47T1246	512.73	
MM-PENTRA-24	FC5A-C24R2 CPU, SW1A-W1C software, cable	19M1586	436.91	
MM-PENTRA-16-HG2G-EM	FC5A-D16RS1, 5.7" mono HG2G, software & cables	10R5632	1117.19	
MM-PENTRA-16-HG2G-EC	FC5A-D16RS1, 5.7" color HG2G, software & cables	10R5631	1330.19	
MM-PENTRA-24-HG2G-EM	FC5A-C24R2, 5.7" mono HG2G, software & cables	10R5634	1117.19	
MM-PENTRA-24-HG2G-EC	FC5A-C24R2, 5.7" color HG2G, software & cables	10R5633	1330.19	
MM-PENTRA-12	PLC Starter Kit 12I/O Ethernet	47T1246	512.73	

(88879)

SMART RELAYS

NEW



Features:

- Optional Text Message Display panel
- 4 built-in 0-10V analog inputs
- 4 built-in 5 kHz high speed inputs
- Universal voltage – 12-24 VDC, 24 VAC/DC, 100-240 VAC/DC
- Bright, high contrast, and controllable backlight LCD
- Extended programming memory
- New USB programming cable
- Worldwide approvals – cULus, CE, FM Class 1 Div 2, Lloyds Registered, and ABS approved



CPU MODULES

Mfg. Part No.	Voltage	Output Signal	With Display	With Clock	Stock No.	Price Each	
						1-2	
FL1E-H12RCA	24V AC/DC	Relay	Yes	Yes	55R1174	176.70	
FL1E-B12RCA	24V AC/DC	Relay	...	Yes	58P0359	142.50	
FL1E-H12SND	24VDC	Transistor	Yes	...	50R9725	159.61	
FL1E-B12RCC	100-240V AC/DC	Relay	...	Yes	58P0364	130.44	
FL1E-H12RCC	100-240V AC/DC	Relay	Yes	Yes	58P0363	182.40	
FL1E-B12RCE	12/24VDC	Relay	...	Yes	67P3718	142.50	
FL1E-H12RCE	12/24VDC	Relay	Yes	Yes	45P3221	176.70	

CONTINUED

EZ-LIGHT™ CL50 COLUMN LIGHTS

- Illuminated light provides easy-to-see operator guidance and indication of equipment status
- 1, 2, or 3 color models available
- Compact devices are completely self-contained — no controller needed
- Immune to EMI and RFI interference
- 4-pin Euro integral QD connection
- 18 to 30VDC operation
- No assembly required



Mfg. Part No.	LED Color	Input	Stock No.	Price Each
				1-2
CL50GXXNQ	Green	NPN	10R5315	68.48
CL50GXXPQ	Green	PNP	10R5316	68.48
CL50RXNQ	Red	NPN	10R5319	68.48
CL50RXXPQ	Red	PNP	10R5320	68.48
CL50GRXNQ	Green / Red	NPN	10R5307	88.81
CL50GRXPQ	Green / Red	PNP	10R5308	88.81
CL50GRYNQ	Green / Red / Yellow	NPN	10R5311	108.07
CL50GRYPQ	Green / Red / Yellow	PNP	10R5312	108.07

(148659)

LED SIGNALIGHT TOWERS — LD6A



ECONOMY MACHINE STATUS INDICATOR

- 3 High Preassembled Units
- Flashing or Steady-On
- Pipe Mount or Surface Mount
- PLC Compatible



Pipe Mount Surface Mount



Clear Lens

Unique Striped Design Improves Visibility

- The striped design with non-illuminated area between the lenses, along with built-in super bright LEDs, reduce light disturbance to make the illuminated color really stand out.
- Unique oval lens shape enables high-visibility from different directions.
- Five different mounting styles available; frame mount, wall mount, direct mount and pole mount (round or L-shaped bracket). Facilitates mounting in unusual or difficult locations.
- Clear lens models available to clearly distinguish between illuminated and non-illuminated lenses.
- Custom configuration is possible.
- Flashing cycle: 1.75 Hz (approx. 105 flashes per second). Conforms to international standard IEC 60073.
- Ergonomically designed alarm sound (3.3 kHz, 2 different sounds) spreads 360 degrees. Adjustable volume (70 to 90 dB).
- Degree of protection: IP65 Steady units and IP54 Flashing units (using frame, wall, direct and pole mount with round base), IP23 Steady and Flashing units using pole mount with L-shaped bracket.

113 series Machlight® Stacklights are designed for machine and process control multi-status indication. Units have diffusion fresnel lenses for wide area visibility. Lenses can be rearranged to suit your application. Surface mount units include mounting hardware. Pipe mount units include 10" (254) mounting pole with hardware for mounting to horizontal surfaces. 8" (203) wire leads.

PIPE MOUNT STACKLIGHT (RED, GREEN, AMBER)

Mfg. Part No.	Light Source	Operating Voltage	Stock No.	Price Each
113FP-RGA-AQ	Flashing	24VAC/DC	22H5028	70.67
113FP-RGA-N5	Flashing	120VAC	22H5029	76.64
113SP-RGA-AQ	Steady-On	24VAC/DC	22H5033	48.28
113SP-RGA-N5	Steady-On	120VAC	22H5034	48.28

SURFACE MOUNT STACKLIGHT (RED, GREEN, AMBER)

113SS-RGA-AQ	Steady-On	24VAC/DC	22H5035	48.28
113SS-RGA-N5	Steady-On	120VAC	22H5036	48.28

(75414)

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(196546)

FRAME MOUNT

Mfg. Part No.	Color	Stock No.	Price Each
● LD6A-1GQB-R	Red	72R4834	120.00
● LD6A-2GQB-RG	Red/Green	72R4839	135.00
● LD6A-3GQB-RYG	Red/Yellow/Green	72R4844	150.00
● LD6A-5GQB-RYSGW	Red/Yellow/Blue/Green/White	72R4849	239.89

WALL MOUNT

● LD6A-1WQB-R	Red	72R4837	110.00
● LD6A-2WQB-RG	Red/Green	72R4842	130.38
● LD6A-3WQB-RYG	Red/Yellow/Green	72R4847	146.02
● LD6A-5WQB-RYSGW	Red/Yellow/Blue/Green/White	72R4852	229.46

DIRECT MOUNT

● LD6A-1DQB-R	Red	72R4833	93.87
● LD6A-2DQB-RG	Red/Green	72R4838	109.52
● LD6A-3DQB-RYG	Red/Yellow/Green	72R4843	125.16
● LD6A-5DQB-RYSGW	Red/Yellow/Blue/Green/White	72R4848	200.00

POLE MOUNT ROUND BASE

● LD6A-1PQB-R	Red	72R4836	135.59
● LD6A-2PQB-RG	Red/Green	72R4841	151.24
● LD6A-3PQB-RYG	Red/Yellow/Green	72R4846	160.00
● LD6A-5PQB-RYSGW	Red/Yellow/Blue/Green/White	72R4851	250.32

POLE MOUNT WITH L-SHAPED BRACKET

● LD6A-1KQB-R	Red	72R4835	135.59
● LD6A-2KQB-RG	Red/Green	72R4840	151.24
● LD6A-3KQB-RYG	Red/Yellow/Green	72R4845	160.00
● LD6A-5KQB-RYSGW	Red/Yellow/Blue/Green/White	72R4850	250.32

1. Above part numbers are with black base. White base available. Change B to W in part number. 2. Clear lens type also available. Specify "C" after the LED color code. Example: LD6A-5GQW-RYSGWC => LD6A-5GQW-RYSGWC (179054)

SAFETY – CONTROLLERS • SAFETY – RELAYS

XPS MC SERIES PREVENTA™ CONFIGURABLE SAFETY CONTROLLERS (CONT.)

Mfg. Part No.	Inputs	Outputs*	Communication Networks (slave)			Stock No.	Price Each
			Modbus® Serial	CANopen	Profibus		
● XPSMC32ZC	32	6 + 2 x 2	Yes	Yes	...	34M0434	2357.93
● XPSMC32ZP	32	6 + 2 x 2	Yes	...	Yes	34M0435	2567.53

* 8 independent safety outputs = 6 solid-state safety outputs + 2 x 2 relay outputs (4 relay outputs with guided contacts)

ACCESSORIES

Mfg. Part No.	Description	Stock No.	Price Each
			1-5
● XPSMCTS16	Plug-In Connectors with Screw Terminals for XPSMC16Z	20K4683	39.31
● XPSMCTS32	Plug-In Connectors with Screw Terminals for XPSMC32Z	20K4684	52.40
● XPSMCWIN	Configuration Software for XPSMC	20K4685	484.84

CONNECTION CABLES FOR PC TO CONTROLLER CONFIGURATION PROGRAMMING

● TSXCUSB485	RJ45/PC USB port converter	34M0230	280.78
● XPSMCCPC	Adaptor for RJ45 socket/PC connection cables	20K4680	29.22
● TSXPXC1031	Cable to PC serial port (SUB-D9)	20K4233	235.86

(196171)

HR1S SAFETY RELAY MODULES



NEW



HR1S-AC/AF/DMB

HR1S-ATE

HR1S-DME

- Up to Safety Cat. 4, PL e
- Removable and Fixed Terminal models
- LED status indicators
- Fingersafe termination

SAFETY INPUT TYPE 2NC (E-STOP/INTERLOCK SWITCH) / 2NO (NON CONTACT INTERLOCKS)

Mfg. Part No.	Description	Stock No.	Price Each	
			1-9	2-5
HR1S-AC5121	22mm; Dual Ch.; Cat 3; 3NO output; Auto/Manual	47T1434	182.53	
HR1S-AC5121P	22mm; Dual Ch.; Cat 3; 3NO output; Auto/Manual *	47T1435	198.17	
● HR1S-AF5130B	22mm; Dual Ch.; Cat 4; 3NO output; Auto/Manual (weld detection)	93K6228	200.66	
HR1S-AF5130PB	22mm; Dual Ch.; Cat 4; 3NO output; Auto/Manual (weld detection) *	47T1436	245.11	
HR1S-ATE5110	45mm; Dual Ch.; Cat 4 2NO+3NO time delay (30s max) +4 aux transistor	47T1437	406.77	
HR1S-ATE5110P	45mm; Dual Ch.; Cat 4 2NO+3NO time delay (30s max) +4 aux transistor*	47T1438	427.63	

SAFETY INPUT TYPE 1NO-1NC (NON CONTACT SWITCHES)

HR1S-DMB1132	22mm; 2 Input Ch. (max 12); Cat 4; 2NO out; 2NO aux transistor	47T1439	208.61
HR1S-DMB1132P	22mm; 2 Input Ch. (max 12); Cat 4; 2NO out; 2NO aux transistor*	47T1440	229.46
HR1S-DME1132	45mm; 6 Input Ch. (max 36); Cat 4; 2NO out; 2NO aux transistor	47T1441	365.05
HR1S-DME1132P	45mm; 6 Input Ch. (max 36); Cat 4; 2NO out; 2NO aux transistor*	47T1442	406.77

* Comes with removable terminal blocks (196167)

HR2S SAFETY RELAY MODULES



- Universal Input type and 2NC safety input type
- Removable terminal blocks
- Plug in wiring, no tools required
- Safety Cat 4, PL e : EN ISO 13849-1: 2008
- TÜV SÜD European and North American (NRTL)
- Automatic or manual restart switch selectable



Mfg. Part No.	Description	Stock No.	Price Each
			1-9
HR2S-301N	E-Stop/Switch (up to Cat3) or Light Curtain (Type 2 or 4); 3NO; 1NC Aux	47T1443	210.95
HR2S-301P	E-Stop/Switch (2NC) up to Cat 4; 3NO; 1NC Aux	47T1444	210.95
HR2S-332N-T075	E-Stop/Switch (2NC) up to Cat 4; 3NO+3NO time delay (7.5s max); 2NC Aux	47T1445	396.17

▶ CONTINUED ▶

HR2S SAFETY RELAY MODULES (CONT.)

Mfg. Part No.	Description	Stock No.	Price Each
			1-9
HR2S-332N-T15	E-Stop/Switch (2NC) up to Cat 4; 3NO+3NO time delay (15s max); 2NC Aux	47T1446	396.17
HR2S-332N-T30	E-Stop/Switch (2NC) up to Cat 4; 3NO+3NO time delay (30s max); 2NC Aux	47T1447	396.17

(196168)

SAFETY RELAYS



22.5 mm

45 mm

- IP40 for casing, IP20 for terminals
- Emergency stop and moving guard monitoring functions
- Self-checking redundancy concepts
- Return loop for connection of external contactors

Safety relays interface between emergency pushbuttons, limit switches, pressure mats, sensors, and contactors. Redundancy and self checking make Level 4 safety in accordance with EC European Standard EN 954-1 and the European Machinery Directive 89/392/EC. Extension modules are available to provide additional safety output contacts; go online or call.

Mfg. Part No.	Safety Level	No. of Safety/Aux. Contacts	Width (mm)	Operating Voltage	Stock No.	Price Each	
						Each	2-5
● 85T00036	3	3S/1A	22.5	24VAC/DC	17M8524	306.55	278.07
85T00436	4	3S/1A	45	24VAC/DC	94B6765	461.52	418.63

(2987)

ES5R SAFETY RELAYS



- UL, cUL certifications and TÜV Rheinland functional safety certifications
- Applicable for EN 60204 stop categories 0 or 1
- Plug-in screw terminals for fast and fault-free replacement
- Multi-voltage versions (24–230 Vac/Vdc) for flexibility
- Delayed and non-delayed contact expansions accommodate a wide variety of applications

Eaton's ES5 safety relays provide optimal safety and a high degree of reliability on plant machinery. Applications that meet the highest safety requirements in accordance with EN 954-1, EN ISO 13849-1 up to PL e and accordance with IEC 62061 up to SILCL 3 can be realized with the ES5 safety relay. Compatible with a wide variety of safety devices such as emergency stops, rope pulls, two-hand control stations, light curtain (OSSD), gate enable devices, and safety switches.

SINGLE/DUAL CHANNEL MAIN UNITS

Mfg. Part No.	Safety Output (NO)	Safety Output (NO Delayed)	Output Delay	Signal Output (NC)	Control Voltage	Stock No.	Price Each
							1-4
● ESR5-NO-31-24VAC-DC	3	...	...	1	24 VAC/DC	41T2720	275.88
● ESR5-NO-41-24VAC-DC	4	...	...	1	24 VAC/DC	47T4258	378.10
● ESR5-NO-31-230VAC	3	...	...	1	230 VAC	41T2719	337.12
● ESR5-NO-31-AC-DC	3	...	...	1	24-230 VAC/DC	41T2718	429.38
● ESR5-NV3-30	2	2	0.1-30s	...	24 VDC	41T2721	367.83

DUAL CHANNEL MAIN UNITS

● ESR5-NZ-21-24VAC-DC	2	1	24 VAC/DC	41T2722	306.53
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SINGLE CHANNEL EXPANSION UNITS

Mfg. Part No.	Safety Output (NO)	Safety Output (NO Delayed)	Output Delay	Signal Output (NC)/ Feedback Output	Control Voltage	Stock No.	Price Each
							1-4
● ESR5-NE-51-24VAC-DC	5	...	...	1/1	24 VAC/DC	41T2717	282.01
● ESR5-VE3-42	...	4	0.3-3s	1/1	24 VDC	41T2723	459.79

(196168)

SWITCHES – SAFETY INTERLOCK

MICRO SWITCH™ SAFETY INTERLOCK SWITCHES GKS SERIES TRAPPED KEY



Honeywell Sensing and Control



- Features:**
- Medium duty-trapped key
 - 4 head key positions
 - Glass filled polyester body
 - Manual over-ride mechanism in case of power failure
 - 3 conduits for simplicity of cabling
 - Key not included; *order separately below*



- Specifications:**
- 3NC/1NO (Positive break on NC contacts)
 - 100Kg (220lbs) max hold force
 - Locking Principal: Power to Unlock
 - Head orientation: Front
 - -25°C to 50°C [-13°F to 122°F]
 - IP67; NEMA 1, 4, 12, 13, EN60529
 - CCC, IEC 947-5-1, EN60947-5-1

Mfg. Part No.	Circuitry	Conduit	Solenoid Voltage	Stock No.	Price Each
● GKSA46LA2	4PST-3NC/1NO	1/2" NPT	24VDC	21M6002	155.02

KEYS

Mfg. Part No.	Description	Stock No.	Price Each
● GKZS6	Straight Key	21M6031	5.56
● GKZS7	90° Angle Key	21M6039	4.86

(89716)

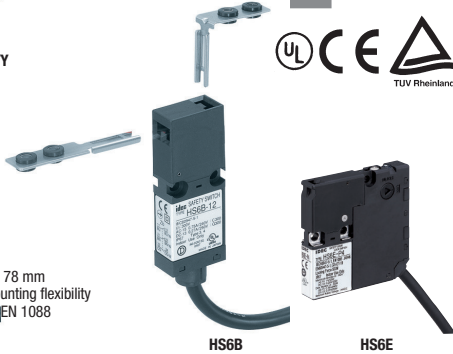
HS6B AND HS6E SERIES SAFETY DOOR INTERLOCKING SWITCHES

NEW



HS6E DOOR INTERLOCK SAFETY WITH SOLENOID LOCKING

- Subminiature body: 15 x 75 x 75 mm
- 500N retention force
- Allows four actuator insertion directions
- Manual unlocking possible on three sides
- Solenoid power LED indicator



HS6B SERIES

- Subminiature body: 15 x 30 x 78 mm
- Two actuator entrance for mounting flexibility
- Complies with ISO14119 and EN 1088
- IP67 degree of protect

HS6B SERIES

Mfg. Part No.	Current (A)	Contacts	Cable Length	Stock No.	Price Each
● HS6B-11B01	2.5	SPST-NO / SPST-NC	1m	84C2838	57.20
● HS6B-03B01	2.5	3PST-NC	1m	84C2836	68.65
● HS6B-12B01	2.5	SPST-NO / DPST-NC	1m	14M8173	62.36
● HS6B-03B01	2.5	3PST-NC	1m	84C2836	68.65
● HS6B-11B03	2.5	SPST-NO / SPST-NC	3m	84C2839	60.32
● HS6B-02B03	2.5	DPST-NC	3m	84C2835	60.32
● HS6B-12B03	2.5	SPST-NO / DPST-NC	3m	84C2841	64.48
● HS6B-03B03	2.5	3PST-NC	3m	84C2837	64.48

HS6E SERIES

MECHANICAL SPRING LOCK - ENGERIGE SOLENOID TO UNLOCK (3M CABLE, 24VDC)

Mfg. Part No.	Main Load Circuit	Monitor Contacts		Stock No.	Price Each
		Actuator Inserted	Solenoid Locked		
● HS6E-L44B03-G	SPST-NC / SPST-NC	DPST-NC	SPST-NO	05N6988	182.00
● HS6E-M44B03-G	SPST-NC / SPST-NC	DPST-NC	SPST-NC	05N6994	182.00
● HS6E-N44B03-G	SPST-NC / SPST-NC	SPST-NO / SPST-NC	SPST-NO	05N7000	182.00
● HS6E-P44B03-G	SPST-NC / SPST-NC	SPST-NO / SPST-NC	SPST-NC	05N7006	182.00

SOLENOID LOCK - DE-ENGERIGE SOLENOID TO UNLOCK (3M CABLE, 24VDC)

● HS6E-L7Y4B03-G	SPST-NC / SPST-NC	DPST-NC	SPST-NO	05N6991	182.00
● HS6E-M7Y4B03-G	SPST-NC / SPST-NC	DPST-NC	SPST-NC	05N6997	182.00
● HS6E-N7Y4B03-G	SPST-NC / SPST-NC	SPST-NO / SPST-NC	SPST-NO	05N7003	175.00
● HS6E-P7Y4B03-G	SPST-NC / SPST-NC	SPST-NO / SPST-NC	SPST-NC	05N7009	182.00

ACTUATORS FOR HS6B AND HS6E

Mfg. Part No.	Description	Stock No.	Price Each
● HS9Z-A61	Straight	84C2848	5.95
● HS9Z-A62	Right Angle (actuator retention force 100N max)	84C2849	5.95
● HS9Z-A62S	Right Angle with Mounting Plate	05N7014	7.47
● HS9Z-A65	Angle adjustable w/hex screw (horizontal or vertical)	92C3152	8.33

(72437)

HS5D AND HS5E SERIES SAFETY DOOR INTERLOCKING SWITCHES

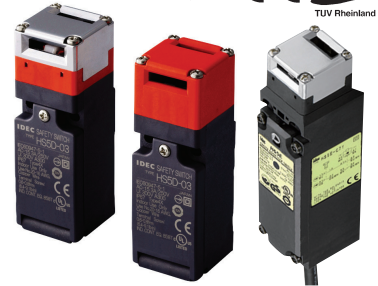


NEW



HS5D DOOR INTERLOCK SAFETY SWITCH

- Miniature body: 30 x 30 x 91 mm
- Rotatable metal or plastic head allow for 8 entry directions
- Detects detachment of head for enhance safety
- Complies with ISO14119 and EN 1088
- IP67 degree of protection



HS5E DOOR INTERLOCK SAFETY WITH SOLENOID LOCKING

- Miniature body: 30 x 40 x 146 mm
- 1400N retention force
- Rotatable metal head allows for 8 entry directions
- Manual unlocking possible
- Solenoid power LED indicator

HS5D SERIES

Mfg. Part No.	Contacts	Head Type	Conduit Port	Stock No.	Price Each
HS5D-11RN	SPST-NO / SPST-NC	Plastic	G 1/2	47T1533	45.56
HS5D-02RN	DPST-NC	Plastic	G 1/2	47T1529	45.56
HS5D-12RN	SPST-NO / DPST-NC	Plastic	G 1/2	47T1535	58.28
HS5D-03RN	3PST-NC	Plastic	G 1/2	47T1531	58.28
HS5D-11ZR	SPST-NO / SPST-NC	Metal	G 1/2	47T1534	56.16
HS5D-02ZR	DPST-NC	Metal	G 1/2	47T1530	56.16
HS5D-12ZR	SPST-NO / DPST-NC	Metal	G 1/2	47T1536	68.87
HS5D-03ZR	3PST-NC	Metal	G 1/2	47T1532	68.87
HS5D-12ZRNM	SPST-NO / DPST-NC	Metal	M20	47T1537	68.87
HS5D-12ZRNP	SPST-NO / DPST-NC	Metal	G 1/2	47T1538	68.87

HS5E SERIES

SOLENOID LOCK - ENGERIGE SOLENOID TO UNLOCK (3M CABLE, 24VDC)

Mfg. Part No.	Main Load Circuit	Monitor Contacts		Stock No.	Price Each
		Actuator Inserted	Solenoid Locked		
● HS5E-A4003	SPST-NC / SPST-NC	SPST-NO	SPST-NO	05N6922	128.96
● HS5E-A4403-G	SPST-NC / SPST-NC	SPST-NO	SPST-NO	05N6924	139.36
● HS5E-B4403-G	SPST-NC / SPST-NC	SPST-NO	SPST-NC	05N6933	139.36
● HS5E-D4003	SPST-NC / SPST-NC	SPST-NC	SPST-NC	05N6953	128.96
● HS5E-VA4003-G	SPST-NC / SPST-NC	SPST-NO	SPST-NO	47T1540	83.70
● HS5E-VD4403-G	SPST-NC / SPST-NC	SPST-NC	SPST-NC	47T1541	83.70
● HS5E-DD4403-G	SPST-NC / SPST-NC	...	...	47T1539	83.70

SOLENOID LOCK - DE-ENGERIGE SOLENOID TO UNLOCK (3M CABLE, 24VDC)

● HS5E-A7Y003	SPST-NC / SPST-NC	SPST-NO	SPST-NO	95M8746	124.00
● HS5E-A7Y403-G	SPST-NC / SPST-NC	SPST-NO	SPST-NO	05N6928	139.36
● HS5E-B7Y403-G	SPST-NC / SPST-NC	SPST-NO	SPST-NC	05N6939	134.00
● HS5E-D7Y003	SPST-NC / SPST-NC	SPST-NC	SPST-NC	05N6958	128.96
● HS5E-D7Y403-G	SPST-NC / SPST-NC	SPST-NC	SPST-NC	05N6961	139.36

ACTUATORS FOR HS5D AND HS5E

Mfg. Part No.	Description	Stock No.	Price Each
● HS9Z-A51	Straight	84C2845	8.33
● HS9Z-A51A	Straight with bushings	47T1542	9.61
● HS9Z-A52	Right Angle	84C2846	8.33
● HS9Z-A52A	Right Angle with bushings	05N7013	9.61
● HS9Z-A53	Angle adjustable vertical operation	47T1543	84.22
● HS9Z-A62	Right Angle (actuator retention force 100N max)	84C2849	5.95
● HS9Z-A62S	Right Angle with Mounting Plate	05N7014	7.47
● HS9Z-A5P	Plug Actuator	05N7012	29.85
● HS9Z-PH5	Padlock hasp (prevents insertion of actuator)	47T1544	29.85
● HS9Z-SP51	Mounting plate (allows mounting to aluminum frames)	47T1545	47.97
● HS9Z-SH5	Slide actuator	05N7015	87.42

(147146)

VALUE BRANDS

at Newark element14

Affordable, dependable options for your board, belt, box or bench.



(202246)

HS7A-DMC SERIES NON-CONTACT INTERLOCK SWITCHES

- Voltage rating: 24V DC
- Current rating: 100mA
- Operating temperature: -25°C to 85°C
- Compact size (7 × 16 × 51mm)
- Positioning for installation is easy
- Up to 36 sets can be connected. (safety relay module: HR1S-DME)
- Combination with proprietary relay modules achieves safety category 4 (EN954-1)
- Degree of protection: IP67



Mfg. Part No.	Contacts	Cable Length (m)	LED	Stock No.	Price Each	
					1-9	
HS7A-DMC5902	SPST-NO / SPST-NC	2	Without	47T4078	67.98	
HS7A-DMC5912	SPST-NO / SPST-NC	2	With	47T4079	71.22	
HS7A-DMC7902	DPST-NC	2	Without	47T4080	67.98	
HS7A-DMC7912	DPST-NC	2	With	47T4081	76.70	

(196194)

HS7A-DMP SERIES NON-CONTACT INTERLOCK SWITCHES

- Voltage rating: 24V DC
- Current rating: 100mA
- Operating temperature: -25°C to 85°C
- Operation signals from auxiliary contacts can be read directly by controllers such as PLCs, allowing for monitoring HS7A-DMP non-contact interlock switches.
- Ideal for installation on guard doors where positioning is difficult.
- Conformable up to safety category 4 (EN954-1) (Combining with proprietary safety relay module achieves safety category 4.)
- A maximum of 36 sets can be connected (safety relay module: HR1S-DME)
- Degree of protection: IP67



Mfg. Part No.	Contacts	Cable Length (m)	LED	Stock No.	Price Each	
					1-9	
HS7A-DMP5002	SPST-NO / DPST-NC	2	Without	47T4082	76.90	
HS7A-DMP5012	SPST-NO / DPST-NC	2	With	47T4083	80.19	
HS7A-DMP7002	DPST-NO / SPST-NC	2	Without	47T4084	82.81	
HS7A-DMP7012	DPST-NO / SPST-NC	2	With	47T4085	86.79	

(196195)

D4SL SERIES SAFETY INTERLOCK SWITCHES



OMRON SCIENTIFIC TECHNOLOGIES, INC.

Features

- Two types are available: a connector type that reduces wiring time and a detachable terminal block type
- Robust and durable metal head
- Key holding force of 1,300 N
- The wider key slot is less susceptible to movement from doors, and can handle doors with a small radius
- By rotating the mounting part, it is possible, both to change the key insertion point and to enable mounting on various devices
- Easy view LED indicators can be checked from any direction
- By utilizing the 6-contact type, both the door open/closed status and the solenoid ON/OFF status can be monitored independently
- A cost-effective 5-contact model is also available



Connector Type / Terminal Block Type

Mfg. Part No.	Contacts	Wiring Method	Stock No.	Price Each	
				1-14	
D4SL-3MDG-D	DPDT-NC / 3PST-NC	Terminal block	27T9129	237.89	
D4SL-3MDG-DN	DPDT-NC / 3PST-NC	Connector	27T9130	221.52	
D4SL-3MDG-D4	DPDT-NC / 3PST-NC	Terminal block	27T9131	241.16	
D4SL-3NDA-D	DPDT-NC / SPST-NO / DPDT-NC / SPST-NO	Terminal block	27T9132	243.34	
D4SL-3NDA-DN	DPDT-NC / SPST-NO / DPDT-NC / SPST-NO	Connector	27T9133	225.88	
D4SL-3NDA-D4	DPDT-NC / SPST-NO / DPDT-NC / SPST-NO	Terminal block	27T9134	247.71	
D4SL-3NDG-D	DPDT-NC / SPST-NO / DPDT-NC / SPST-NO	Terminal block	27T9135	244.43	

➔ CONTINUED ➔

D4SL SERIES SAFETY INTERLOCK SWITCHES (CONT.)

Mfg. Part No.	Contacts	Wiring Method	Stock No.	Price Each	
				1-14	
D4SL-3NDG-DN	DPDT-NC / SPST-NO / DPDT-NC / SPST-NO	Connector	27T9136	226.97	
D4SL-3NDG-D4	DPDT-NC / SPST-NO / DPDT-NC / SPST-NO	Terminal block	27T9137	247.71	
D4SL-3PDA-D	DPDT-NC / SPST-NO / 3PST-NC	Terminal block	27T9138	243.34	
D4SL-3PDG-D	DPDT-NC / SPST-NO / 3PST-NC	Terminal block	27T9139	244.43	
D4SL-3QDA-D	3PST-NC / DPDT-NC / SPST-NO	Terminal block	27T9140	243.34	
D4SL-3QDA-DN	3PST-NC / DPDT-NC / SPST-NO	Connector	27T9141	225.88	
D4SL-3QDA-D4	3PST-NC / DPDT-NC / SPST-NO	Terminal block	27T9142	247.71	
D4SL-3QDG-D	3PST-NC / DPDT-NC / SPST-NO	Terminal block	27T9143	244.43	
D4SL-3QDG-D4	3PST-NC / DPDT-NC / SPST-NO	Terminal block	27T9144	247.71	

ACCESSORIES

Mfg. Part No.	Description	Stock No.	Price Each	
			1-14	
D4SL-K1	Horizontal mounting operation key	27T9121	9.34	
D4SL-K1G	Horizontal mounting operation key w/cushion rubber	27T9122	12.00	
D4SL-K1S	Horizontal mounting operation key (short)	27T9123	8.00	
D4SL-K2	Verticallyl mounting operation key	27T9124	8.00	
D4SL-K2G	Verticallyl mounting operation key w/cushion rubber	27T9125	12.00	
D4SL-K3	Adjustable horizontal mounting operation key	27T9126	26.66	
D4SL-SK10-LK	Slide key	27T9128	309.26	
D4SL-CN3	Connector Cable	27T9119	36.72	
D4SL-CN5	Connector Cable	27T9120	54.20	

(194783)

D4BS SERIES STANDARD SAFETY-DOOR SWITCHES



RoHS Compliant Available



OMRON SCIENTIFIC TECHNOLOGIES, INC.

- 4-Position Head, Side Entry
- 10A Slow-Action Contacts, 600VAC
- IP67 Enclosure Rating
- Industry Standard Switch Box Shape, Size and Mounting Pattern
- 1/2"-14 NPT Conduit Openings



NC contacts are positive opening. 4.39 x 1.51 x 1.61". Order keys separately below. UL listed, CSA certified, CE compliant.

Mfg. Part No.	Description	Stock No.	Price Each	
			1-14	
D4BS-3AFS	DPDB-2NC Switch	52F4231	61.11	
D4BS-K1	Horizontal Key	18M7243	13.33	
D4BS-K3	Adjustable Key	18M7245	37.33	

(68753)

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(196407)

TASK LIGHTING

EMERGE 'N SEE LIGHT

- No batteries required
- Cranking generates all the power
- LEDs never need replacement
- Ideal for emergency, home, auto, camping, and fishing
- Generate light anywhere, anytime
- 3 Ultra-bright LEDs
- 90 day warranty



The **Emerge N See Light** series is a flashlight that generates light anywhere, anytime with a simple twist of the wrist and crank of the built-in handle. No batteries are required. The flashlight uses three ultra-bright LEDs that provide a wide strong beam of white light and never need replacing. With a push of a button, the flashlight has 2 settings to produce the required amount of light. The **Emerge N See Light** series small size allows for easy storage in a drawer, glove compartment, emergency kit or tool box. 30 seconds of cranking provides up to 30 minutes of continuous bright light. Available in 2 metallic colors—silver and blue, *go online or call.*

Mfg. Part No.	Color	Description	Stock No.	Price Each	
				1-24	
FS-01BK	Silver/Black	Crank Generated LED Flashlight	18M6782	12.35	

(89764)

COAST GENERAL USE LED FLASHLIGHTS

NEW



G35



G15

- Lightweight aluminum case
- Impact and water resistant
- Batteries included

Mfg. part no. G35 Dual Color Flashlight features a red light, which can be used when only a small amount of light is needed and the user wants to preserve their night vision. Each LED is controlled by a separate switch, allowing the user to turn on the desired color with one click. **Mfg. part no. G15** Clip Light combines an LED flashlight and handy removable clip that can be attached to a tool box, tackle box or cap. Max Beam Optic System shapes the available light from the LED into the most usable beam pattern giving the maximum amount of light for your application.

Mfg. Part No.	No. of LEDs	Light Output (Lumens)	Length (in.)	Beam Distance (ft.)	Runtime (hrs.)	Stock No.	Price Each	
							1-24	
G35	5: White 1: Red	111	6.07	154	10.25	90T0933	40.89	
G15	1	32	3.7	78	2.75	90T0931	17.82	

LED FLASHLIGHT

Mfg. part no. G40 led flashlight provides a great combination of brightness, run time and value. Max Beam Optic System with six LED's project a wide, flood beam giving you the maximum amount of light with no dark spots.

Mfg. Part No.	No. of LEDs	Light Output (Lumens)	Length (in.)	Beam Distance (ft.)	Runtime (hrs.)	Stock No.	Price Each
G40	6: White	130	6.03	170	11	90T0934	37.16

(89824)

COAST LED FLASHLIGHTS

NEW



PX25



G30



PX20



G10-BLK

- Compact design
- Lightweight aluminum case
- Batteries included
- Lifetime manufacturer's guarantee

PROFESSIONAL USE LED FLASHLIGHTS

Mfg. part no. PX20 dual color led flashlight combines five super bright white LEDs with one red LED, each color controlled with its own switch. The white light is for general flashlight use, while the red LED is perfect when you only need minimal light, such as when reading a map. Max Beam Optic System combined with the 5 high quality white LED's gives you a broad, diffused beam that lights up a large area with no dark spots. **Mfg. part no. PX25** LED Flashlight is easy to carry in the included belt sheath. The Bulls Eye spot beam pattern gives you a great focused spot, while producing an outer ring of flood light which allows you to see a broader area for added side vision. Both tested and rated to ANSI/FL1 standards.

Mfg. Part No.	No. of LED's	Light Output (Lumens)	Length (in.)	Beam Distance (ft.)	Runtime (hrs.)	Stock No.	Price Each	
							1-24	
PX20	6: White	125	3.95	173	5.5	90T0938	37.16	
PX25	1	208	4.7	419	6.25	90T0939	55.07	

GENERAL USE LED FLASHLIGHTS

Mfg. part no. G10 LED Flashlight is small enough to fit in your pocket, yet is powerful enough to be an everyday utility flashlight. Max Beam™ Optic System shapes the available light from the LED into the most usable beam pattern, giving you the maximum amount of light for your application. **Mfg. part no. G30** Focus Beam LED flashlight has an impressive light output of 121 lumens. Pure Beam™ Focusing Optic System with Twist Focus provides superior beam consistency from spot to flood, with no dark rings typically associated with focusing flashlights.

➤ CONTINUED ➤

COAST LED FLASHLIGHTS (CONT.)

Mfg. Part No.	No of LED's	Light Output (Lumens)	Length (in.)	Beam Distance (ft.)	Runtime (hrs.)	Stock No.	Price Each
G10-BLK	1	32	3.7	78	2.75	90T0930	16.47
G30	105	121	6.46	478	2	90T0932	50.78

(89831)

HIGH PERFORMANCE LED FLASHLIGHTS

NEW



- Lightweight aluminum case
- Impact and water resistant
- Batteries included
- Lifetime manufacturer's guarantee

Mfg part nos. HP5 and HP14 High Performance LED Flashlights offer the best combination of small size and bright light. A quick cycle switch gives you the option to select between a high or low output setting. Pure Beam Focusing Optic System with Fingertip Speed Focus Control provides superior beam consistency from spot to flood, with no dark rings associated with focusing flashlights. The Bulls Eye spot beam pattern gives you a great focused spot, while producing an outer ring of flood light which allows you to see a broader area to the sides. Beam Lock System easily locks in your desired beam. Tested and rated to ANSI/FL1 standards.

Mfg. Part No.	Light Output High/ Low (Lumens)	Length (in.)	Runtime (hrs.)	Beam Distance (ft.)	Stock No.	Price Each	
						1-24	
HP5	High: 121 Low: 41	4.65	High: 4.5 Low: 6	High: 255 Low: 150	90T0937	68.77	
HP14	High: 339 Low: 56	8.38	High: 4.75 Low: 20	High: 574 Low: 118	90T0936	100.11	

(195391)

LUMIFA LED LIGHTING

NEW



LF1B Series



LF1D Slim



LF1D Wide

- Energy saving: One-third of fluorescent lamps
- Long life: Five times more than fluorescent lamps
- Vibration and shock resistant
- Voltage rating: 24V DC

These environmentally-friendly light units pay for themselves, you recoup their cost with savings over time. Perfect for narrow areas, those not easily accessible or that are dangerous to access, these LEDs have a minimum lifespan of 40,000 hours. Once it's installed, customers won't have to worry about maintenance issues for a long time! Plus these LED light strips provide a bright light source while producing very little heat (even less than a fluorescent lamp). IP40 degree of protection. IP67 protection water, dust and oil resistant. Stainless steel front bezel. Oil and heat resistant cable. IP54 degree of protection water and dust resistant.

LF1B SERIES (IP654)

Mfg. Part No.	Length (mm)	LEDs	Color	Power Rating (W)	Stock No.	Price Each	
						1-2	
LF1B-A3S-2SHR6	134	3 LEDs x 1 rows	Red	0.8	73R4815	90.00	
LF1B-A3S-2SHY6	134	3 LEDs x 1 rows	Yellow	0.8	73R4816	92.43	
LF1B-A3S-2TLWW4	134	3 LEDs x 1 rows	Warm White	0.8	73R4817	90.00	
LF1B-A4S-2SHR6	134	3 LEDs x 1 rows	Red	0.8	73R4818	90.00	
LF1B-A4S-2SHY6	134	3 LEDs x 1 rows	Yellow	0.8	73R4819	92.43	
LF1B-A4S-2TLWW4	134	3 LEDs x 1 rows	Warm White	0.8	73R4820	90.00	
LF1B-B3S-2SHR6	210	6 LEDs x 1 rows	Red	1.5	73R4821	123.24	
LF1B-B3S-2SHY6	210	6 LEDs x 1 rows	Yellow	1.5	73R4822	123.24	
LF1B-B3S-2TLWW4	210	6 LEDs x 1 rows	Warm White	1.5	73R4823	123.24	
LF1B-B4S-2SHR6	210	6 LEDs x 1 rows	Red	1.5	73R4824	120.00	
LF1B-B4S-2SHY6	210	6 LEDs x 1 rows	Yellow	1.5	73R4825	123.24	
LF1B-B4S-2TLWW4	210	6 LEDs x 1 rows	Warm White	1.5	73R4826	120.00	
LF1B-B4S-2THWW4	210	6 LEDs X 1 row	White	1.5	14P9717	120.00	
LF1B-C3S-2SHR6	330	12 LEDs x 1 rows	Red	2.9	73R4827	184.86	

➤ CONTINUED ➤

PUSHBUTTON ENCLOSURES

PUSH BUTTON BOXES

NEW 



22.5mm & 30.5mm PUSHBUTTON ENCLOSURES

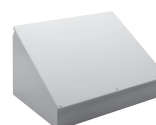
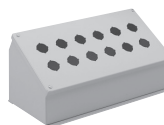
NEW 


PROTECTING YOUR ADVANTAGE



NEMA

- Heavy duty 14 GA steel seam welded construction
- Cover screws thread into sealed nuts for additional sealing protection
- Cover has oil resistant die-cut gasket for reliable and lasting protection against dust, water and oil
- Cover supplied with 22.5-mm or 30.5-mm four-way pushbutton holes
- Welded ground nut inside body
- External flanges with holes for wall mounting
- Durable ANSI 61 grey powder coating
- Complies with NEMA and UL-508A Type 12 and 13 rating
- UL listing pending



Pushbutton Enclosure Sloping Front Pushbutton Enclosure Console Enclosure Pedestal and Base

These pushbutton and Console enclosures provide protection against water, oil, and dust. Captivated cover screws thread into sealed wells. Units come with grounding stud in body and oil-resistant gasket and adhesive. All are UL listed, CSA certified.

PUSHBUTTON ENCLOSURES

Pushbutton enclosures feature "4-way" holes designed to accept all brands of oiltight 22.5 or 30.5mm pushbuttons, switches, and pilot lights. Steel construction with ANSI 61 gray polyester powder painted finish meets NEMA 12, 13 and IEC 60529, IP65. Corrosion-resistant stainless steel with smooth #4 brushed natural finish meets NEMA 4X, 12, 13 and IEC 60529, IP66 (available online).

Number of Push Button Holes	Dimensions (in.)			22.5mm Pushbutton		30.5mm Pushbutton		Price Each
	H	W	D	Mfg. Part No.	Stock No.	Mfg. Part No.	Stock No.	
1	3.5	3.25	2.75	SPB-3901	40T8248	SPB-3921	40T8252	22.56
2	5.75	3.25	2.75	SPB-3902	40T8249	SPB-3922	40T8253	28.64
3	8	3.25	2.75	SPB-3903	40T8250	SPB-3923	40T8254	33.38
4	10.25	3.25	2.75	SPB-3904	40T8251	SPB-3924	40T8255	42.55

(195477)

30mm NEMA 12 OIL- AND DUSTTIGHT PUSHBUTTON ENCLOSURES



Enclosure holes accept most standard heavy-duty oiltight 30mm Ø pushbuttons, switches, and pilot lights. Rugged enclosure is all-seam welded, 14 or 16-gauge steel. Box features wall-mounting flanges, ground stud, and thread seal wells for attaching cover screws. Finished in ASA 61 gray powder coating. Rated for NEMA enclosure type 12. For use with 30mm pushbutton switches on page 1772.



Mfg. Part No.	Holes	Dimensions (in.) H x W x D	Stock No.	Price Each		
				Each	2-4	5-9
● 1435A	1	3.50 x 3.25 x 2.75	50F8449	65.10	61.84	58.29
● 1435B	2	5.75 x 3.25 x 2.75	50F8450	74.38	70.67	66.61
● 1435C	3	8.00 x 3.25 x 2.75	50F8451	83.52	79.35	74.79

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QLINE® D POLYCARBONATE NEMA 4X 22mm & 30mm ENCLOSURES

NEMA 

PROTECTING YOUR ADVANTAGE







Contoured bodies with flush cover screws for attractive, contemporary appearance. Designed to insulate and house 30.5mm or 22.5mm pushbuttons in wet, dusty, and corrosive environments. Constructed of high-impact polycarbonate material that's RAL 7035 light gray and easily punched, drilled, filed, or sawed. Cross-point captivated cover screws are zinc-plated stainless steel. Removable polycarbonate screw cover caps and mounting hardware included. Molded internal pads for mounting panels, rails and other components. Gasket provides a watertight and dust-tight seal. Flammability rated UL 508. Meet NEMA/EEMAC Types 4, 4X and 12 and IEC60529, IP67 requirements. UL listed, CSA certified. For use with switches on pages 1764 and 1772.

No. of Holes & Arrangement	For 22.5mm Pushbuttons			For 30.5mm Pushbuttons		
	Mfg. Part No.	Stock No.	Price Each	Mfg. Part No.	Stock No.	Price Each
1PB 1 x 1	● Q1PBPCDM	91F2286	68.38	● Q1PBPCD	91F2284	70.16
2PB 1 x 2	● Q2PBPCDM	06B9761	72.74	● Q2PBPCD	89F5378	80.95
3PB 1 x 3	● Q3PBPCDM	06B9818	77.12	● Q3PBPCD	19M8457	69.10
4PB 1 x 4	● Q4PBPCDM	88F4686	87.58

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SLOPING FRONT PUSHBUTTON ENCLOSURES

Sloping front pushbutton enclosures feature "4-way" holes designed to accept all brands of oiltight 22.5 or 30.5mm (available online) pushbuttons, switches, and pilot lights. Tough 14-gauge steel construction with ANSI 61 gray polyester powder painted finish. Meets NEMA 12, 13 and IEC 60529, IP65. Large enclosures with standard mounting brackets removed are ideally suited for mounting on pedestals; order separately below.

No. of Holes & Arrangement	22.5mm		
	Mfg. Part No.	Stock No.	Price Each
8 PB 4 x 2	● E8PBAM	20H6461	231.23

CONSOLE ENCLOSURES

Console sloping front enclosures designed to house a variety of electronic control and instrumentation devices. Feature control panel attached with continuous hinge along bottom edge. Flexible design allows for mounting on either of two sides, creating control surfaces of 30° or 60°. Can be mounted on desktops and other flat surfaces. Ideally suited for mounting on pedestals; order separately below. Steel construction with ANSI 61 gray polyester powder painted finish. Corrosion-resistant Type 304 stainless steel with smooth #4 brushed natural finish available online. Both meet NEMA 12 and IEC 60529, IP65.

Dimensions (in.)	Painted Steel		
	H	W	Price Each
8	8	● C8C8	96F4662 196.57
8	12	● C8C12	96F4663 218.00
8	16	● C8C16	96F4664 239.06
12	12	● C12C12	96F4666 253.51
12	16	● C12C16	96F4667 282.02
12	20	● C12C20	96F4668 320.90
12	24	● C12C24	96F4669 349.12
16	16	● C16C16	19M8414 327.67
16	20	● C16C20	96F4655 364.81

ACCESSORIES

Steel pedestal column and base have ANSI 61 gray polyester powder painted finish. Enable sloping front pushbutton and Console enclosures to be floor mounted. Pedestal column is 35" high with a 4x4" top and bottom flange and comes with screws, oil-resistant gaskets and box connector fitting to join enclosure to top of column. 18 x 18" base has leveling screws and holes for bolting to the floor.

Mfg. Part No.	Description	Stock No.	Price Each
● A44CCOL	Straight Pedestal Column, 4 x 4	06B5760	508.31

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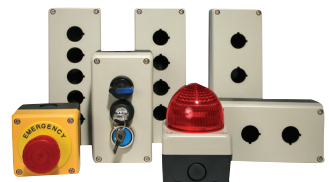
ENCLOSURES FOR HW, TW AND XW SERIES 22mm SWITCHES AND PILOT DEVICES

NEMA 





- Easy installation; panel, wall or frame mountable
- Polycarbonate enclosure cover and base, stainless steel screws
- IP65 and NEMA Type 4X rated (when installed with IP65 or NEMA Type 4X unit)
- Class II electric shock protection (when installed with applicable unit)
- Ideal for high temperatures (-25 to 60°C) and corrosive environments
- For use with HW, TW and XW series switches, pilot devices & accessories on pages 1745 and 1770-1771, and 1781



▶ CONTINUED ▶

PUSHBUTTON ENCLOSURES • METAL ENCLOSURES

ENCLOSURES FOR HW, TW and XW SERIES 22mm SWITCHES AND PILOT DEVICES (CONT.)

Mfg. Part No.	Dimensions (mm)	Color	No. of Holes	Stock No.	Price Each			
					1-4	5-9	10-24	25+
● FB1W-111Y	76 x 76 x 59.5	Yellow	1	34M2032	18.36	17.32	16.37	15.71
● FB1W-111Z	76 x 76 x 59.5	Beige	1	34M2033	18.36	17.32	16.37	15.71
● FB2W-211Z	140 x 76 x 59.5	Beige	2	34M2034	28.08	26.48	25.04	24.02
● FB3W-311Z	200 x 76 x 59.5	Beige	3	34M2036	39.95	37.68	35.62	34.18

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DIE-CAST ALUMINUM ECONOBXES



RoHS Compliant Available



Economical, lightweight, easy-to-machine enclosures are ideal as instrument and meter cases, filter networks, junction boxes, switches, and audio and radio frequency distributors. Die-cast ADC-10 aluminum alloy construction offers excellent screening properties. Perfect for applications requiring a sturdier structure than sheet metal utility cabinets. Close-fitting flanged lids fasten to body with screws. Look for NEMA rated die cast boxes on pages 2276-2277. Modifications available, go online or call.

NATURAL ALUMINUM FINISH

Mfg. Part No.	Dimensions (in.) H x W x D	Thickness (in.)	Wt. (lbs.)	Stock No.	Price Each		
					1-4	5-9	10-24
● CU-123	1.21 x 1.5 x 3.62	0.06	0.5	93F689	6.90	5.73	5.14
● CU-124	1.21 x 2.37 x 4.37	0.06	0.5	91F1603	7.20	5.98	5.37
● CU-234	2.21 x 3.68 x 4.68	0.09	0.75	91F1604	11.61	9.63	8.65
● CU-247	2.21 x 4.7 x 7.39	0.09	1.25	91F1605	19.61	16.28	14.61
● CU-347	3.21 x 4.7 x 7.39	0.09	1.5	91F1606	23.00	19.09	17.14
● CU-470	1.25 x 2 x 2	0.06	0.25	24C9805	5.31	4.40	3.95
● CU-471	1.75 x 3.25 x 4.33	0.09	0.75	24C9807	8.40	6.98	6.26
● CU-472	2.33 x 3.15 x 4.75	0.09	0.75	24C9809	10.70	8.89	7.98
● CU-473	1.34 x 3.68 x 4.68	0.09	0.75	24C9814	9.11	7.81	7.01
● CU-474	2.33 x 4.75 x 4.75	0.09	1	24C9819	14.31	11.87	10.66
● CU-475	3.75 x 4.75 x 4.75	0.09	1.25	24C9824	17.90	14.86	13.34
● CU-476	2 x 3.25 x 6	0.09	1	24C9826	14.00	11.62	10.43
● CU-477	1.5 x 4.7 x 7.39	0.09	1	24C9864	16.31	13.53	12.16
● CU-478	2.62 x 7.5 x 7.5	0.09	2	24C9868	25.10	20.84	18.70
● CU-479	2.13 x 2.37 x 4.37	0.06	0.6	24C9870	9.21	7.89	7.08

GRAY FINISH

● CU-123-G	1.21 x 1.5 x 3.62	0.06	0.5	24C9785	7.80	6.48	5.82
● CU-124-G	1.21 x 2.37 x 4.37	0.06	0.5	24C9797	9.50	7.89	7.08
● CU-234-G	2.21 x 3.68 x 4.68	0.09	0.75	24C9798	13.50	11.21	10.06
● CU-247-G	2.21 x 4.7 x 7.39	0.09	1.25	24C9800	24.40	20.26	18.18
● CU-347-G	3.21 x 4.7 x 7.39	0.09	1.5	24C9802	29.50	24.49	21.98
● CU-470-G	1.25 x 2 x 2	0.06	0.25	24C9806	8.50	7.06	6.34
● CU-471-G	1.75 x 3.25 x 4.33	0.09	0.75	24C9808	10.90	9.05	8.12
● CU-472-G	2.33 x 3.15 x 4.75	0.09	0.75	24C9812	10.39	10.39	9.65
● CU-474-G	2.33 x 4.75 x 4.75	0.09	1	24C9822	20.40	16.94	15.20
● CU-475-G	3.75 x 4.75 x 4.75	0.09	1.25	24C9825	22.57	21.17	19.00
● CU-476-G	2 x 3.25 x 6	0.09	1	24C9827	18.20	15.11	13.56
● CU-478-G	2.62 x 7.5 x 7.5	0.09	2	24C9869	33.20	27.56	24.74
● CU-479-G	2.13 x 2.37 x 4.37	0.06	0.6	24C9871	12.41	10.63	9.55

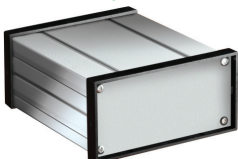
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EXTRUDED ALUMINUM BOXES

RoHS Compliant Available



- 1-pc. extruded aluminum housing with smooth, silver-coated finish
- Individual aluminum end panels are removable
- Black ABS plastic panel bezels
- Internal PCB card guides
- Modifications available, visit us online



Mfg. Part No.	External Dimensions (in.)			Weight (oz.)	Stock No.	Price Each
	H	W	D			1-4
● EX-4500	3.15	2.91	1.34	4.1	97H5039	15.70
● EX-4501	4.72	2.91	1.34	5.4	97H5040	20.00
● EX-4521	4.72	5.91	2.95	6.9	97H5042	26.82
● EX-4522	6.3	5.91	2.95	8.5	66M8438	35.86
● EX-4523	8.66	5.91	2.95	10.9	97H5044	35.85
● EX-4541	4.72	3.54	3.54	11.2	97H5045	24.90

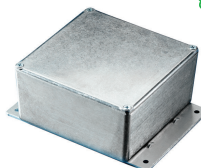
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ECONOBXES™ WITH MOUNTING BRACKET

RoHS Compliant Available



- ADC-10 aluminum alloy construction
- Excellent screening properties
- Close-fitting covers attach with #6-32 self-tapping screws
- Mounts to wall or panel
- Heavy-duty 0.09" thick external wall mounting bracket



Econoboxes™ are easily machined or modified to any application requirement. Mounts to wall or panel with #10 size screws (not included). Mounts at base to allow access to internal components without unmounting box. NEMA rated boxes available, on pages 2276-2278. Color: natural aluminum finish or smooth black powdercoat finish. Modifications available, visit us online.

NATURAL ALUMINUM FINISH

Mfg. Part No.	External Dimensions (in.)				Wall Thick. (in.)	Stock No.	Price Each		
	H	W	D	Body Ht.			1-4	5-9	10-24
● CU-4123	1.21	1.5	3.62	1.06	0.06	97H5001	13.32	12.68	12.03
● CU-4234	2.21	3.68	4.68	2.06	0.09	97H5005	22.39	21.31	20.21
● CU-4247	2.21	4.7	7.39	2.06	0.09	97H5007	29.79	28.34	26.89
● CU-4347	3.21	4.7	7.39	3.06	0.09	97H5009	34.88	33.18	31.48
● CU-4474	2.33	4.75	4.75	2.17	0.09	97H5019	27.20	25.88	24.55
● CU-4475	3.75	4.75	4.75	3.59	0.09	97H5021	31.36	29.84	28.31
● CU-4478	2.62	7.5	7.5	2.46	0.09	97H5027	43.48	41.36	39.25

SMOOTH BLACK POWDERCOAT FINISH

● CU-4123-B	1.21	1.5	3.62	1.06	0.06	97H5002	15.28	14.52	13.78
● CU-4124-B	1.21	2.37	4.37	1.06	0.06	97H5004	18.41	17.52	16.62
● CU-4234-B	2.21	3.68	4.68	2.06	0.09	97H5006	24.98	23.76	22.55
● CU-4347-B	3.21	4.7	7.39	3.06	0.09	97H5010	39.11	37.58	35.66
● CU-4473-B	1.34	3.68	4.68	1.18	0.09	97H5018	23.31	22.18	21.05
● CU-4475-B	3.75	4.75	4.75	3.59	0.09	97H5022	35.16	33.44	31.73
● CU-4476-B	2.00	3.25	6.00	1.84	0.09	97H5024	29.33	27.90	26.47
● CU-4477-B	1.5	4.7	7.39	1.34	0.09	97H5026	31.92	30.36	28.81
● CU-4478-B	2.62	7.5	7.5	2.46	0.09	97H5028	48.63	46.73	44.34
● CU-4479-B	2.13	2.37	4.37	1.98	0.06	97H5030	21.65	20.61	19.55

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ECONOBX WITH MOUNTING BRACKET COVER

RoHS Compliant Available



- External mounting brackets cast into the cover allow box to be mounted on wall or panel
- Rugged ADC-10 alloy die-cast aluminum box
- Close fitting flanged cover attaches with screws
- Mounting brackets accept up to #6 mounting screws (not included)
- Offers EMC protection
- NEMA rated die-cast boxes available on pages 2276-2278
- Modifications available, go online or call



NATURAL ALUMINUM FINISH

Mfg. Part No.	Dimensions (in.)			Stock No.	Price Each		
	H	W	D		1-4	5-9	10-24
● CU-5123	1.21	1.5	3.62	56J7099	5.43	4.82	4.35
● CU-5124	1.21	2.37	4.37	56J7101	7.58	6.73	6.08
● CU-5476	2	3.25	6	56J7121	12.80	12.70	11.48
● CU-5234	2.21	3.68	4.68	56J7103	10.04	9.96	9.00
● CU-5478	2.62	7.5	7.5	56J7125	24.59	21.83	19.73
● CU-5347	3.21	4.7	7.39	56J7107	19.90	19.76	17.85

BLACK FINISH

● CU-5124-B	1.21	2.37	4.37	98J0021	10.66	9.47	8.55
● CU-5476-B	2	3.25	6	98J0031	19.28	17.10	15.45

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MINIBOXES

RoHS Compliant Available



- Two-piece design
- 0.04" aluminum alloy construction
- Flanged for proper shielding
- Built-in snap-lock or sheet metal screws included
- Modifications available, visit us online



SMOOTH GRAY FINISH

Mfg. Part No.	Dimensions (in.) H x W x D	Weight (lbs.)	Stock No.	Price Each		
				1-4	5-9	10-24
● CU-2100-B	1.62 x 2.12 x 2.75	0.25	91F700	7.13	6.43	6.01
● CU-2101-B	1.62 x 2.12 x 3.25	0.25	05M4052	7.87	7.10	6.63
● CU-2102-B	1.62 x 2.12 x 4.00	0.25	05M4053	8.14	7.35	6.87
● CU-2103-B	2.25 x 2.25 x 4.00	0.25	06M4528	8.42	7.61	7.10

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