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Detailed information for: AF26-30-11-11

This page contains technical data sheet, documents library and links to offering related to this product. If you require any other information, please contact us using form located at the bottom of the page.

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Data Sheet

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AF26-30-11-11

General Information

Extended Product Type: AF26-30-11-11

Product ID: 1SBL237001R1111

EAN: 3471523111011

Catalog Description: AF26-30-11-11 24-60V50/60HZ 20-60VDC Contactor

Long Description: The AF26-30-11-11 is a 3 pole - 690 V IEC or 600 UL contactor with pre-mounted auxiliary contacts and screw terminals, controlling motors up to 11 kW / 400 V AC (AC-3) or 15 hp / 480 V UL and switching power circuits up to 45 A (AC-1) or 45 A UL general use. Thanks to the AF technology, the contactor has a wide control voltage range (24-60 V 50/60 Hz and 20-60 V DC), managing large control voltage variations, reducing panel energy consumptions and ensuring distinct operations in unstable networks. Furthermore, surge protection is built-in, offering a compact solution. AF contactors have a block type design, can be easily extended with add-on auxiliary contact blocks and an additional wide range of accessories.



Categories

Products » Low Voltage Products and Systems » Control Products » Contactors » Block Contactors

Ordering

Minimum Order Quantity: 1 piece

Customs Tariff Number: 85364900

Popular Downloads

Instructions and Manuals: [1SBC101027M6801](#)

Dimensions

Product Net Width: 45 mm

Product Net Depth / Length: 111.5 mm

Product Net Height: 86 mm

Product Net Weight: 0.35 kg

Technical

Number of Main Contacts NO:	3
Number of Main Contacts NC:	0
Number of Auxiliary Contacts NO:	1
Number of Auxiliary Contacts NC:	1
Standards:	IEC 60947-1 / 60947-4-1 and EN 60947-1 / 60947-4-1, UL 508, CSA C22.2 N°14
Rated Operational Voltage:	Auxiliary Circuit 690 V Main Circuit 690 V
Rated Frequency (f):	Auxiliary Circuit 50 / 60 Hz Main Circuit 50 / 60 Hz
Conventional Free-air Thermal Current (I_{th}):	acc. to IEC 60947-4-1, Open Contactors $q = 40\text{ °C } 50\text{ A}$ acc. to IEC 60947-5-1, $q = 40\text{ °C } 16\text{ A}$
Rated Operational Current AC-1 (I_e):	(690 V) 40 °C 45 (690 V) 60 °C 40 A (690 V) 70 °C 32
Rated Operational Current AC-3 (I_e):	(415 V) 60 °C 26 A (440 V) 60 °C 26 A (500 V) 60 °C 23 A (690 V) 60 °C 17 A (380 / 400 V) 60 °C 26 A (220 / 230 / 240 V) 60 °C 26 A
Rated Operational Power AC-3 (P_e):	(400 V) 11 kW (415 V) 11 kW (440 V) 15 kW (500 V) 15 kW (690 V) 15 kW (380 / 400 V) 11 kW (220 / 230 / 240 V) 6.5 kW
Rated Operational Current AC-15 (I_e):	(500 V) 2 A (690 V) 2 A (24 / 127 V) 6 A (220 / 240 V) 4 A (400 / 440 V) 3 A
Rated Short-time Withstand Current (I_{cw}):	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 350 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 50 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 150 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 700 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 225 A for 0.1 s 140 A for 1 s 100 A
Maximum Breaking Capacity:	$\cos \phi = 0.45$ ($\cos \phi = 0.35$ for $I_e > 100\text{ A}$) at 440 V 500 A $\cos \phi = 0.45$ ($\cos \phi = 0.35$ for $I_e > 100\text{ A}$) at 690 V 200 A
Maximum Electrical Switching Frequency:	(AC-1) 600 cycles per hour (AC-15) 1200 cycles per hour (AC-2 / AC-4) 150 cycles per hour (AC-3) 1200 cycles per hour (DC-13) 900 cycles per hour
Rated Operational Current DC-13 (I_e):	(24 V) 6 A / 144 W (48 V) 2.8 A / 134 W (72 V) 1 A / 72 W (110 V) 0.55 A / 60 W (125 V) 0.55 A / 69 W (220 V) 0.27 A / 60 W (250 V) 0.27 A / 68 W (400 V) 0.15 A / 60 W (500 V) 0.13 A / 65 W (600 V) 0.1 A / 60 W
Rated Insulation Voltage (U_i):	acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 690 V acc. to UL/CSA 600 V

Rated Impulse Withstand Voltage 6 kV**(U_{imp}):****Maximum Mechanical Switching Frequency:** 3600 cycles per hour**Rated Control Circuit Voltage (U_c):**
50 Hz 24 ... 60 V
50 Hz / 60 Hz 24 ... 60 V
60 Hz 24 ... 60 V
DC Operation 20 ... 60 V**Operate Time:**
Between Coil De-energization and NC Contact Closing 13 ... 98 ms
Between Coil De-energization and NO Contact Opening 11 ... 95 ms
Between Coil Energization and NC Contact Opening 38 ... 90 ms
Between Coil Energization and NO Contact Closing 40 ... 95 ms**Connecting Capacity Main Circuit:**
Flexible with Ferrule 1/2x 1.5 ... 10 mm²
Flexible with Insulated Ferrule 1x 1.5 ... 10 mm²
Flexible with Insulated Ferrule 2x 1.5 ... 4 mm²
Rigid 1/2x 2.5 ... 10 mm²**Connecting Capacity Auxiliary Circuit:**
Flexible with Ferrule 1/2x 0.75 ... 2.5 mm²
Flexible with Insulated Ferrule 2x 0.75 ... 1.5 mm²
Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm²
Rigid 1/2x 1 ... 2.5 mm²**Connecting Capacity Control Circuit:**
Flexible with Ferrule 1/2x 0.75 ... 2.5 mm²
Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm²
Flexible with Insulated Ferrule 2x 0.75 ... 1.5 mm²
Rigid 1/2x 1 ... 2.5 mm²**Wire Stripping Length:**
Auxiliary Circuit 10 mm
Control Circuit 10 mm
Main Circuit 14 mm**Degree of Protection:**
acc. to IEC 60529, IEC 60947-1, EN 60529 Auxiliary Terminals IP40
acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20
acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20**Terminal Type:** Screw Terminals**Technical UL/CSA****General Use Rating UL/CSA:** (600 V AC) 45 A**Horsepower Rating UL/CSA:**
(120 V AC) Single Phase 2 hp
(200 ... 208 V AC) Three Phase 7-1/2 hp
(220 ... 240 V AC) Three Phase 7-1/2 hp
(240 V AC) Single Phase 3 hp
(440 ... 480 V AC) Three Phase 15 hp
(550 ... 600 V AC) Three Phase 20 hp**Tightening Torque UL/CSA:**
Auxiliary Circuit 11 IA
Control Circuit 11 IA
Main Circuit 22 IA**Environmental****Ambient Air Temperature:**
Close to Contactor Fitted with Thermal O/L Relay -25 ... +60 °C
Close to Contactor without Thermal O/L Relay -40 ... +70 °C
Close to Contactor for Storage -60 ... +80 °C**Climatic Withstand:** Category B according to IEC 60947-1 Annex Q**Maximum Operating Altitude Permissible:** 3000 m**Resistance to Vibrations acc. to IEC 60068-2-6:** 5 ... 300 Hz 4 g closed position / 2 g open position**Resistance to Shock acc. to IEC 60068-2-27:**
Closed, Shock Direction: B1 25 K40
Open, Shock Direction: B1 5 K40
Shock Direction: A 30 K40
Shock Direction: B2 15 K40
Shock Direction: C1 25 K40
Shock Direction: C2 25 K40

RoHS Status: Following EU Directive 2011/65/EU

Certificates and Declarations (Document Number)

ABS Certificate: [ABS_15-GE1349500-PDA_90682247](#)

BV Certificate: [BV_2634H24898B0](#)

CB Certificate: [CB_SE-96552](#)

CCC Certificate: [CCC_2010010304445623](#)

CQC Certificate: [CQC2010010304445623](#)
[CQC2020010304294316](#)

cUL Certificate: [UL_20180227_E312527_7_1](#)

Declaration of Conformity - CCC: [2020980304001254](#)
[2020980304001052](#)

Declaration of Conformity - CE: [1SBD250000U1000](#)

DNV Certificate: [DNV-GL_TAE00001AF-3](#)

DNV GL Certificate: [DNV-GL_TAE00001AF-3](#)

EAC Certificate: [EAC_RU_FRME77B03447](#)

Environmental Information: [1SBD250150E1000](#)

GL Certificate: [DNV-GL_TAE00001AF-3](#)

GOST Certificate: [GOST_POCCFR.ME77.B07175.pdf](#)

Instructions and Manuals: [1SBC101027M6801](#)

KC Certificate: [KC_HW02016-15001C](#)

LR Certificate: [LRS_1300087E1](#)

RINA Certificate: [RINA_ELE240318XG](#)

RMRS Certificate: [RMRS_1802705280](#)

RoHS Information: [1SBD250000U1000](#)

UL Certificate: [UL_20140305-E312527_7_1](#)

UL Listing Card: [E312527](#)

Container Information

Package Level 1 Units: box 1 piece

Package Level 1 Width: 87 mm

Package Level 1 Depth / Length: 121 mm

Package Level 1 Height: 47 mm

Package Level 1 Gross Weight: 0.35 kg

Package Level 1 EAN: 3471523111011

Package Level 2 Units: box 18 piece

Package Level 2 Width: 250 mm

Package Level 2 Depth / Length: 300 mm

Package Level 2 Height: 315 mm

Package Level 2 Gross Weight: 6.3 kg

Package Level 3 Units: 864 piece

Classifications

Object Classification Code: Q

ETIM 4: EC000066 - Magnet contactor, AC-switching

ETIM 5:	EC000066 - Magnet contactor, AC-switching
ETIM 6:	EC000066 - Power contactor, AC switching
ETIM 7:	EC000066 - Power contactor, AC switching
eClass:	V11.0 : 27371003

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