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PLC-INTERFACE, integrated solid-state relay, with screw connection, for mounting on NS 35/7,5 DIN rails, input: 12 V DC, output: 12 - 300 V DC/1 A

Your advantages

- ✓ Resistant to vibrations and shocks
- ☑ Protective circuit in input and output
- ✓ Status indicator
- ☑ DC voltage outputs up to 300 V DC/1 A



Key Commercial Data

Packing unit	1 pc
GTIN	4 046356 051408
GTIN	4046356051408
Weight per Piece (excluding packing)	36.000 g
Custom tariff number	85364900
Country of origin	Germany

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area

Dimensions

Width	6.2 mm



Technical data

Dimensions

Height	80 mm
Depth	86 mm

Ambient conditions

Ambient temperature (operation)	-25 °C 60 °C
Ambient temperature (storage/transport)	-40 °C 85 °C

Input data

Input voltage range in reference to U_N Input voltage range 9.6 V DC 14.4 V DC Switching threshold "0" signal in reference to U_N Switching threshold "1" signal in reference to U_N 2 0.8 Typical input current at U_N 6 mA Typical response time 0.3 ms Typical turn-off time 0.8 ms Operating voltage display Yellow LED Type of protection Reverse polarity protection Surge protection		
Input voltage range 9.6 V DC 14.4 V DC Switching threshold "0" signal in reference to U _N ≤ 0.4 Switching threshold "1" signal in reference to U _N ≥ 0.8 Typical input current at U _N 6 mA Typical response time 0.3 ms Typical turn-off time 0.8 ms Operating voltage display Yellow LED Type of protection Reverse polarity protection Surge protection Protective circuit/component Polarity protection diode Varistor Transmission frequency 50 Hz	Nominal input voltage U _N	12 V DC
Switching threshold "0" signal in reference to U _N Switching threshold "1" signal in reference to U _N ≥ 0.8 Typical input current at U _N 6 mA Typical response time 0.3 ms Typical turn-off time 0.8 ms Operating voltage display Yellow LED Type of protection Reverse polarity protection Surge protection Protective circuit/component Polarity protection diode Varistor Transmission frequency 50 Hz	Input voltage range in reference to U _N	0.8 1.2
Switching threshold "1" signal in reference to U _N ≥ 0.8 Typical input current at U _N 6 mA Typical response time 0.3 ms Typical turn-off time 0.8 ms Operating voltage display Yellow LED Type of protection Reverse polarity protection Surge protection Protective circuit/component Polarity protection diode Varistor Transmission frequency 50 Hz	Input voltage range	9.6 V DC 14.4 V DC
Typical input current at U _N 6 mA Typical response time 0.3 ms Typical turn-off time 0.8 ms Operating voltage display Yellow LED Type of protection Reverse polarity protection Surge protection Protective circuit/component Polarity protection diode Varistor Transmission frequency 50 Hz	Switching threshold "0" signal in reference to U _N	≤ 0.4
Typical response time 0.3 ms Typical turn-off time 0.8 ms Operating voltage display Yellow LED Type of protection Reverse polarity protection Surge protection Protective circuit/component Polarity protection diode Varistor Transmission frequency 50 Hz	Switching threshold "1" signal in reference to U _N	≥ 0.8
Typical turn-off time 0.8 ms Operating voltage display Yellow LED Type of protection Reverse polarity protection Surge protection Protective circuit/component Polarity protection diode Varistor Transmission frequency 50 Hz	Typical input current at U _N	6 mA
Operating voltage display Type of protection Reverse polarity protection Surge protection Protective circuit/component Polarity protection diode Varistor Transmission frequency Yellow LED Reverse polarity protection Surge protection Surge protection Surge protection Folarity protection diode Varistor	Typical response time	0.3 ms
Type of protection Reverse polarity protection Surge protection Protective circuit/component Polarity protection diode Varistor Transmission frequency 50 Hz	Typical turn-off time	0.8 ms
Surge protection Protective circuit/component Polarity protection diode Varistor Transmission frequency 50 Hz	Operating voltage display	Yellow LED
Protective circuit/component Polarity protection diode Varistor Transmission frequency 50 Hz	Type of protection	Reverse polarity protection
Varistor Transmission frequency 50 Hz		Surge protection
Transmission frequency 50 Hz	Protective circuit/component	Polarity protection diode
The state of the s		Varistor
Power dissipation for nominal condition 0.07 W	Transmission frequency	50 Hz
	Power dissipation for nominal condition	0.07 W

Output data

Designation	Output data
Output voltage range	12 V DC 300 V DC (Partition plate PLC-ATP must be installed for voltages larger than 250 V (L1, L2, L3) between identical terminal points in adjacent modules. Potential bridging is then carried out with FBST 8-PLC orFBST 500)
Limiting continuous current	1 A (see derating curve)
Voltage drop at max. limiting continuous current	< 500 mV
Type of protection	Reverse polarity protection
	Surge protection
Protective circuit/component	Polarity protection diode
	Varistor

General

Mounting position	any
Assembly instructions	In rows with zero spacing



Technical data

General

Operating mode	100% operating factor
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Connection data

Connection name	Input side
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section solid	0.14 mm² 2.5 mm²
Conductor cross section flexible	0.14 mm² 2.5 mm²
Conductor cross section AWG	26 14

Connection data 2

Connection name	Output side
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section solid	0.14 mm² 2.5 mm²
Conductor cross section flexible	0.14 mm² 2.5 mm²
Conductor cross section AWG	26 14

Standards and Regulations

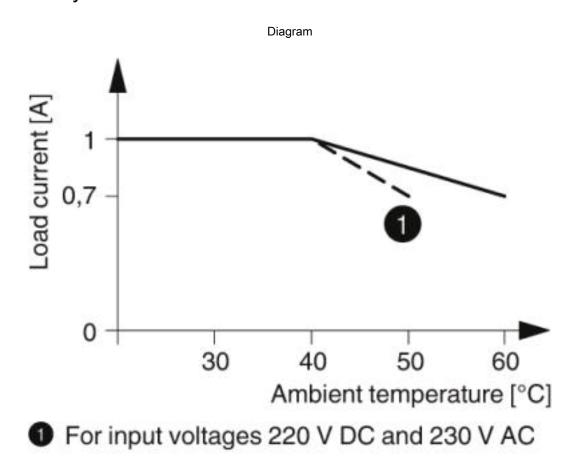
Connection in acc. with standard	CUL
Designation	Standards/regulations
Standards/regulations	IEC 60664
	EN 50178
Rated insulation voltage	300 V
Rated surge voltage	2.5 kV
Insulation	Basic insulation
Pollution degree	2
Overvoltage category	III

Environmental Product Compliance

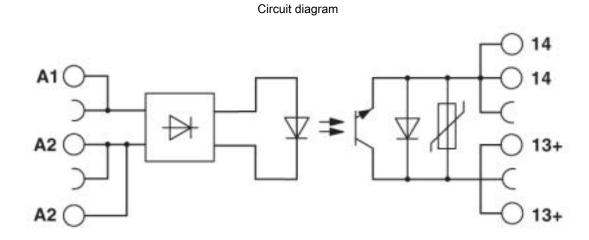
	Lead 7439-92-1		
China RoHS	Environmentally Friendly Use Period = 50		
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"		

Drawings





The figure shows the derating curve for PLC-...300DC/1





Classifications

eCl@ss

eCl@ss 4.0	27371100
eCl@ss 4.1	27371100
eCl@ss 5.0	27371000
eCl@ss 5.1	27371000
eCl@ss 6.0	27371600
eCl@ss 7.0	27371604
eCl@ss 8.0	27371604
eCl@ss 9.0	27371604

ETIM

ETIM 2.0	EC001504
ETIM 3.0	EC001504
ETIM 4.0	EC001504
ETIM 5.0	EC001504
ETIM 6.0	EC001504
ETIM 7.0	EC001504

UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121542
UNSPSC 11	39121542
UNSPSC 12.01	39121542
UNSPSC 13.2	39122326
UNSPSC 18.0	39122326
UNSPSC 19.0	39122326
UNSPSC 20.0	39122326
UNSPSC 21.0	39122326

Approvals

Approvals

Approvals

PRS / UL Listed / UL Recognized / cUL Recognized / cUL Listed / DNV GL / EAC / EAC / cULus Recognized / cULus Listed

Ex Approvals



Approvals

Approval details

PRS		http://www.prs.pl/	TE/2109/880590/16
UL Listed	LISTED	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 172140
UL Recognized	71	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705
cUL Recognized	. 71	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705
cUL Listed	C UL	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 172140
DNV GL	W.	https://approvalfinder.dnvgl.com/	TAE0000196-02
EAC	EAC		TR_TS_D_00573_c
EAC	EAC		TR_TS_S_00010_c
cULus Recognized	c 911 us		



Approvals

cULus Listed



Accessories

Accessories

Bridge

Continuous plug-in bridge - FBST 500-PLC RD - 2966786



Continuous plug-in bridge, length: 500 mm, color: red

Continuous plug-in bridge - FBST 500-PLC BU - 2966692



Continuous plug-in bridge, length: 500 mm, color: blue

Continuous plug-in bridge - FBST 500-PLC GY - 2966838



Continuous plug-in bridge, length: 500 mm, color: gray

Single plug-in bridge - FBST 6-PLC RD - 2966236



Single plug-in bridge, length: 6 mm, number of positions: 2, color: red



Accessories

Single plug-in bridge - FBST 6-PLC BU - 2966812



Single plug-in bridge, length: 6 mm, number of positions: 2, color: blue

Single plug-in bridge - FBST 6-PLC GY - 2966825



Single plug-in bridge, length: 6 mm, number of positions: 2, color: gray

Single plug-in bridge - FBST 8-PLC GY - 2967688



Single plug-in bridge, length: 8 mm, number of positions: 2, color: gray

Single plug-in bridge - FBST 14-PLC BK - 2967691



Single plug-in bridge, length: 14 mm, number of positions: 2, color: black

DIN rail

DIN rail, unperforated - NS 35/7,5 V2A UNPERF 2000MM - 0801377



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Stainless steel V2A, uncoated, length: 2000 mm, color: silver



Accessories

DIN rail perforated - NS 35/7,5 PERF 2000MM - 0801733



DIN rail perforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

DIN rail, unperforated - NS 35/7,5 CU UNPERF 2000MM - 0801762



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Copper, uncoated, length: 2000 mm, color: copper-colored

DIN rail, unperforated - NS 35/15 UNPERF 2000MM - 1201714



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

DIN rail, unperforated - NS 35/15 CU UNPERF 2000MM - 1201895



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Copper, uncoated, length: 2000 mm, color: copper-colored

DIN rail, unperforated - NS 35/15-2,3 UNPERF 2000MM - 1201798



DIN rail, unperforated, Standard profile 2.3 mm, width: 35 mm, height: 15 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver



Accessories

DIN rail, unperforated - NS 35/15 AL UNPERF 2000MM - 1201756



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Aluminum, uncoated, length: 2000 mm, color: silver

DIN rail perforated - NS 35/15 PERF 2000MM - 1201730



DIN rail perforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

DIN rail, unperforated - NS 35/7,5 UNPERF 2000MM - 0801681



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

Partition plate

Separating plate - PLC-ATP BK - 2966841



Separating plate, 2 mm thick, required at the start and end of a PLC terminal strip. Furthermore, it is used for: visual separation of groups, safe isolation of different voltages of neighboring PLC relays in acc. with DIN VDE 0106-101, isolation

Power module

Power terminal block - PLC-ESK GY - 2966508



Power terminal block, for the input of up to four potentials, for mounting on NS 35/7.5



Accessories

Screwdriver tools

Screwdriver - SZF 1-0,6X3,5 - 1204517



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

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