

Solid-state relay module - PLC-OSC- 24DC/230AC/ 2/ACT - 2982760

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PLC-INTERFACE for output functions, consisting of PLC-BSC.../ACT basic terminal block with screw connection and plug-in miniature solid-state relay, for mounting on DIN rail NS 35/7,5, 1 N/O contact, input: 24 V DC, output: 24 - 253 V AC/2 A

Product Features

- PLC actuator series with solid-state power relays for coupling the controller and actuators, such as motors, contactors, valves, etc.



Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	72.0 g
Custom tariff number	85364190
Country of origin	Germany

Technical data

Note

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

Width	14 mm
Height	80 mm
Depth	94 mm

Ambient conditions

Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C

Input data

Nominal input voltage U_N	24 V DC
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Input data

Input voltage range in reference to U_N	0.8 ... 1.2
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	9 mA
Typical response time	10 ms
Typical turn-off time	10 ms
Operating voltage display	Yellow LED
Type of protection	Reverse polarity protection
	Free-wheeling diode
Protective circuit/component	Polarity protection diode
	Damping diode
Transmission frequency	10 Hz

Output data

Output nominal voltage	230 V AC
Output voltage range	24 V AC ... 253 V AC
Limiting continuous current	2 A (see derating curve)
Maximum inrush current	30 A (10 ms)
Min. load current	25 mA
Leakage current	typ. 1 mA
Surge current	30 A (tp = 10 ms)
Max. load value	4 A ² s (tp = 10 ms, at 25 °C)
Peak offstate voltage	600 V
Voltage drop at max. limiting continuous current	≤ 1 V
Output circuit	2-conductor floating, zero voltage switch
Type of protection	Surge protection

Connection data, input side

Connection name	Input side
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section solid	0.14 mm ² ... 2.5 mm ²
Conductor cross section flexible	0.14 mm ² ... 2.5 mm ²
Conductor cross section AWG	26 ... 14

Connection data, output side

Connection name	Output side
Connection method	Screw connection

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Connection data, output side

Stripping length	8 mm
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Conductor cross section AWG	26 ... 14

General

Test voltage input/output	2.5 kV (50 Hz, 1 min.)
Mounting position	see to derating
Assembly instructions	In rows with zero spacing
Operating mode	100% operating factor
Flammability rating according to UL 94	V0
Designation	Standards/regulations
Standards/regulations	IEC 60664
	EN 50178
	IEC 62103
Rated surge voltage/insulation	Basic insulation
Degree of pollution	2
Overvoltage category	III

Standards and Regulations

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	EN 50178
	IEC 62103
Rated surge voltage/insulation	Basic insulation
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Classifications

eCl@ss

eCl@ss 4.0	27371102
eCl@ss 4.1	27371102
eCl@ss 5.0	27371001
eCl@ss 5.1	27371001
eCl@ss 6.0	27371001

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Classifications

eCl@ss

eCl@ss 7.0	27371001
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

UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121542
UNSPSC 11	39121542
UNSPSC 12.01	39121542
UNSPSC 13.2	39121542

Approvals

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Approvals

GL / EAC / EAC

Ex Approvals

Approvals submitted

Approval details

GL

EAC

EAC

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Drawings

