

Solid-state relay module - PLC-OSC-230UC/230AC/ 1 - 2967882

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PLC-INTERFACE, consisting of PLC-BSC basic terminal block with screw connection and plug-in miniature solid-state relay, for mounting on NS 35/7,5 DIN rails, input: 230 V AC/220 V DC, output: 24 - 253 V AC/0.75 A

The illustration shows the version PLC-BSC- 24DC/21

Product Features

- Narrow design
- Efficient connection to system cabling using V8 adapter
- RT III sealed solid-state relay
- Zero voltage switch at AC output
- Integrated input circuit
- Functional plug-in bridges
- High switching power



Key commercial data

package_quantity	10
GTIN	4017918190576

Technical data

Note:

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

Width	6.2 mm
Height	80 mm
Depth	94 mm

Ambient conditions

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

Input data

Nominal input voltage U_N	230 V AC (220 V DC)
Nominal input voltage U_N	220 V DC

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Input data

Input voltage range in reference to U_N	0.8 ... 1.1
Switching threshold "0" signal in reference to U_N	≤ 0.25
Switching threshold "1" signal in reference to U_N	≥ 0.8
Typical input current at U_N	3.5 mA
Typical response time	10 ms (at U_N)
Typical turn-off time	10 ms (at U_N)
Operating voltage display	Yellow LED
Type of protection	Bridge rectifier
Protective circuit/component	Bridge rectifier
Transmission frequency	3 Hz

Output data

Output voltage range	24 V AC ... 253 V AC
Limiting continuous current	0.75 A (see derating curve)
Maximum inrush current	30 A (10 ms)
Min. load current	10 mA
Leakage current	< 1 mA (in off state)
Max. load value	4.5 A ² s
Voltage drop at max. limiting continuous current	< 1 V
Output circuit	2-wire, floating
Type of protection	RCV circuit

Connection data

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section stranded min.	0.14 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max	14

General

Test voltage input/output	2.5 kV (50 Hz, 1 min.)
Mounting position	Any
Assembly instructions	In rows with zero spacing
Operating mode	100% operating factor
Inflammability class according to UL 94	V0
Name	Standards/regulations
Standards/regulations	IEC 60664
Standards/regulations	EN 50178
Standards/regulations	IEC 62103

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Technical data

General

Rated surge voltage / insulation	Basic insulation
Pollution degree	2
Surge voltage category	III

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
eCl@ss 7.0	27371001
eCl@ss 8.0	27371001

ETIM

ETIM 2.0	EC001504
ETIM 3.0	EC001504
ETIM 4.0	EC001504
ETIM 5.0	EC001504

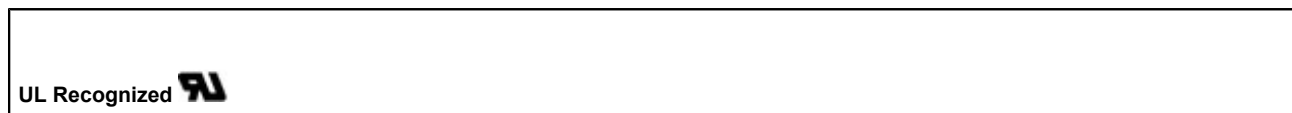
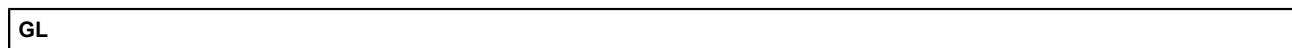
UNSPSC

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

approvals

GOST / GL / UL Recognized / UL Listed / cUL Recognized / cUL Listed / cULus Recognized / cULus Listed /

Approval details




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approvals

UL Listed 

cUL Recognized 

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cULus Recognized 

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accessories

Mounting rail

NS 35/ 7,5 PERF 2000MM - 0801733



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



Solid-state relay module - PLC-OSC-230UC/230AC/ 1 - 2967882

accessories

NS 35/15 UNPERF 2000MM - 1201714



NS 35/15 CU UNPERF 2000MM - 1201895



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



NS 35/15 AL UNPERF 2000MM - 1201756



NS 35/15 PERF 2000MM - 1201730



NS 35/ 7,5 UNPERF 2000MM - 0801681



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accessories

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



Terminal marking

ZB 6/WH-100:UNBEDRUCKT - 5060935



ZB 6:UNBEDRUCKT - 1051003



Labeled terminal marker

ZB 6,LGS:FORTL.ZAHLEN - 1051016



Partition plate

PLC-ATP BK - 2966841



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accessories

Power module

PLC-ESK GY - 2966508



Screwdriver tools

SZF 1-0,6X3,5 - 1204517



Relay socket

PLC-BSC-230UC/21 - 2966045



Single solid-state relay

OPT-60DC/230AC/ 1 - 2967963



Bridge

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accessories

FBST 500-PLC RD - 2966786



FBST 500-PLC BU - 2966692



FBST 500-PLC GY - 2966838



FBST 6-PLC RD - 2966236



FBST 6-PLC BU - 2966812



FBST 6-PLC GY - 2966825



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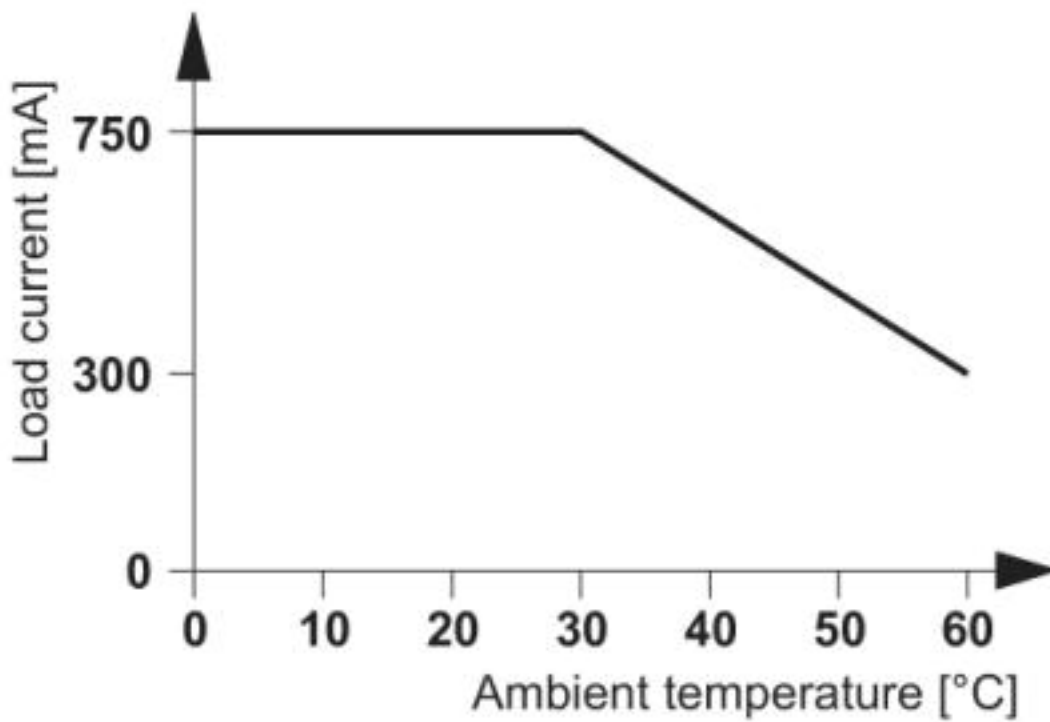
accessories

FBST 8-PLC GY - 2967688



Drawings

Diagram



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Circuit diagram

