

Solid-state relay module - PLC-OSC- 24DC/230AC/ 1 - 2967840

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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: 24 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
- Functional plug-in bridges
- High switching power
- Integrated input circuit
- Zero voltage switch at AC output



Key commercial data

package_quantity	10
GTIN	4017918190644

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	24 V DC
Input voltage range in reference to U_N	0.8 ... 1.2

Solid-state relay module - PLC-OSC- 24DC/230AC/ 1 - 2967840

Technical data

Input data

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	8 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	Protection against polarity reversal
Type of protection	Free-wheeling diode
Protective circuit/component	Polarity protection diode
Protective circuit/component	Damping diode
Transmission frequency	10 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

Solid-state relay module - PLC-OSC- 24DC/230AC/ 1 - 2967840

Technical data

General

Standards/regulations	IEC 62103
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 /

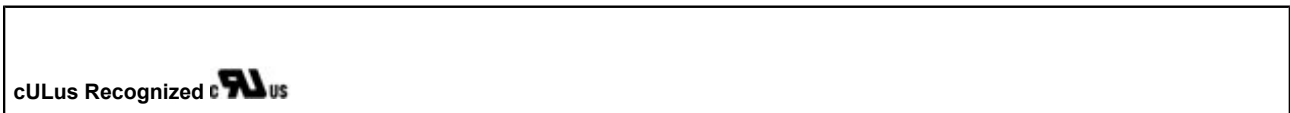
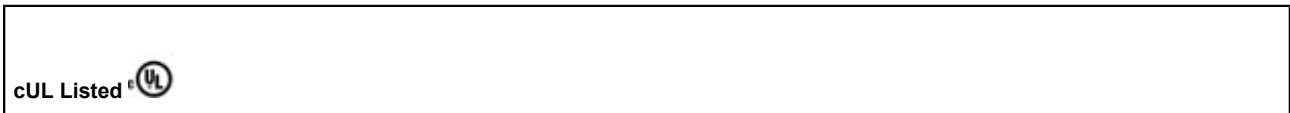
Approval details

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GL

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approvals



accessories

Mounting rail

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



NS 35/ 7,5 PERF 2000MM - 0801733



Solid-state relay module - PLC-OSC- 24DC/230AC/ 1 - 2967840

accessories

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



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



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accessories

NS 35/ 7,5 UNPERF 2000MM - 0801681



Power module

PLC-ESK GY - 2966508



Partition plate

PLC-ATP BK - 2966841



Screwdriver tools

SZF 1-0,6X3,5 - 1204517



Labeled terminal marker

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accessories

ZB 6,LGS:FORTL.ZAHLEN - 1051016



Terminal marking

ZB 6:UNBEDRUCKT - 1051003



Controller board

PLC-V8/FLK14/OUT - 2295554



PLC-V8/FLK14/OUT/M - 2304102



PLC-V8/D15B/OUT - 2296061



Interface module

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accessories

PLC-V8/D15S/OUT - 2296058



Relay socket

PLC-BSC- 24DC/21 - 2966016



Single solid-state relay

OPT-24DC/230AC/ 1 - 2967950



Bridge

FBST 500-PLC RD - 2966786



FBST 500-PLC BU - 2966692



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accessories

FBST 500-PLC GY - 2966838



FBST 6-PLC RD - 2966236



FBST 6-PLC BU - 2966812



FBST 6-PLC GY - 2966825



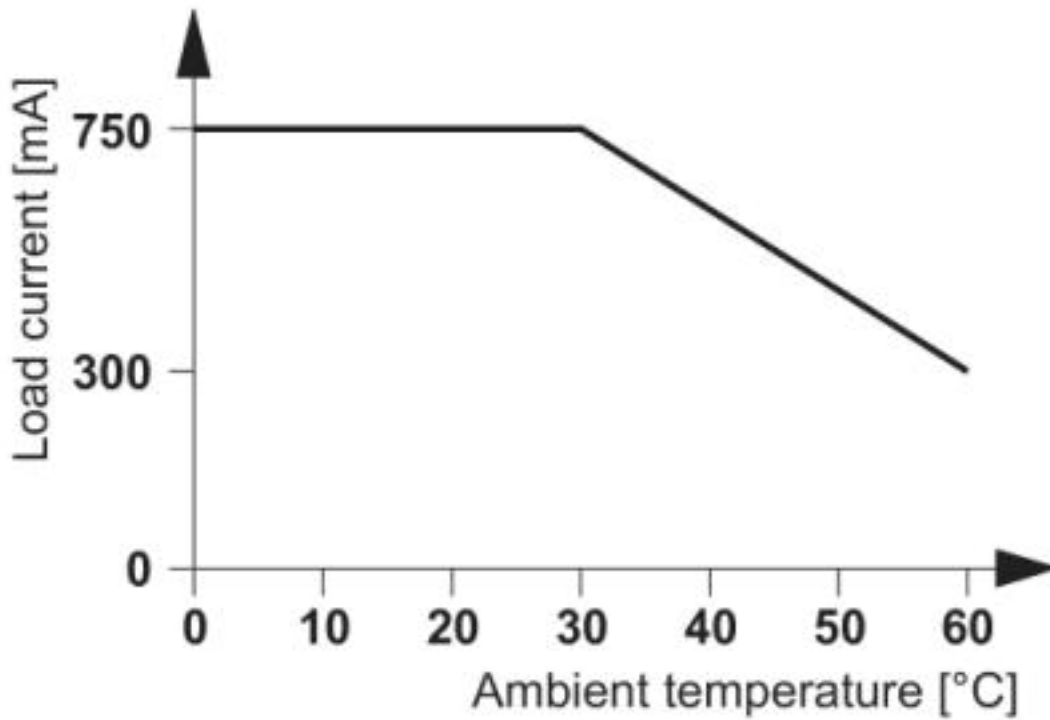
FBST 8-PLC GY - 2967688



Drawings

Solid-state relay module - PLC-OSC- 24DC/230AC/ 1 - 2967840

Diagram



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Circuit diagram

