

# Solid-state relay module - PLC-OSC- 24DC/ 24DC/ 5/ ACT - 2982786

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PLC-INTERFACE, comprising PLC-BSC...ACT basic terminal block with screw connection and plug-in power solid-state relay, for mounting on NS 35/7.5 DIN rail

## 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

package_quantity	10
GTIN	4046356342841

## Technical data

### 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
Input voltage range in reference to $U_N$	0.8 ... 1.2
Switching threshold "0" signal in reference to $U_N$	$\leq 0.4$
Switching threshold "1" signal in reference to $U_N$	$\geq 0.8$
Typical input current at $U_N$	9 mA
Typical response time	20 $\mu$ s
Typical turn-off time	400 $\mu$ s
Operating voltage display	Yellow LED
Type of protection	Protection against polarity reversal
Type of protection	Free-wheeling diode
Protective circuit/component	Polarity protection diode

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## Technical data

### Input data

<b>Protective circuit/component</b>	Damping diode
<b>Transmission frequency</b>	300 Hz

### Output data

<b>Output nominal voltage</b>	24 V DC
<b>Output voltage range</b>	3 V DC ... 33 V DC
<b>Limiting continuous current</b>	5 A (see derating curve)
<b>Maximum inrush current</b>	15 A (10 ms)
<b>Surge voltage protection</b>	> 33 V DC
<b>Voltage drop at max. limiting continuous current</b>	≤ 200 mV
<b>Output circuit</b>	2-wire, floating
<b>Type of protection</b>	Protection against polarity reversal
<b>Type of protection</b>	Surge protection
<b>Protective circuit/component</b>	Polarity protection diode

### Connection data

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

### General

<b>Test voltage input/output</b>	2.5 kV (50 Hz, 1 min.)
<b>Mounting position</b>	see to derating
<b>Assembly instructions</b>	In rows with zero spacing
<b>Operating mode</b>	100% operating factor
<b>Inflammability class according to UL 94</b>	V0
<b>Name</b>	Standards/regulations
<b>Standards/regulations</b>	IEC 60664
<b>Standards/regulations</b>	EN 50178
<b>Standards/regulations</b>	IEC 62103
<b>Rated surge voltage / insulation</b>	Basic insulation
<b>Pollution degree</b>	2
<b>Surge voltage category</b>	III

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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
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

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

### Approval details

GL

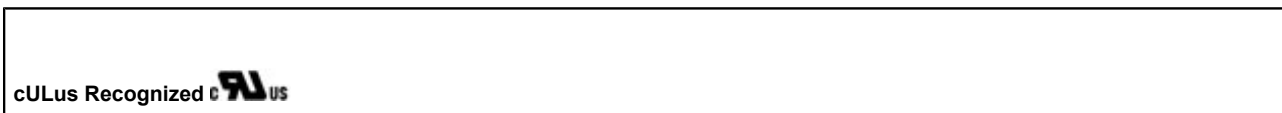
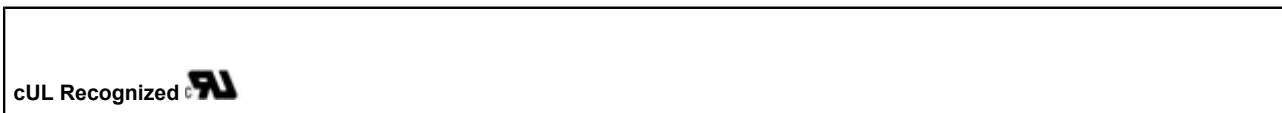
UL Listed

cUL Listed

UL Recognized

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approvals



accessories

## Mounting rail

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



NS 35/ 7,5 PERF 2000MM - 0801733



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



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### 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



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## accessories

NS 35/ 7,5 UNPERF 2000MM - 0801681



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## Terminal marking

ZB10/WH-100:UNBEDRUCKT - 5060883



ZB 10:UNBEDRUCKT - 1053001



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## Labeled terminal marker

ZB10,LGS:FORTL.ZAHLEN - 1053014



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## Partition plate

PLC-ATP BK - 2966841



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accessories

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## Power module

PLC-ESK GY - 2966508



## Screwdriver tools

SZF 1-0,6X3,5 - 1204517



## Relay socket

PLC-BSC- 24DC/ 1- 1/ACT - 2967057



## Bridge

FBST 500-PLC RD - 2966786



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### accessories

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

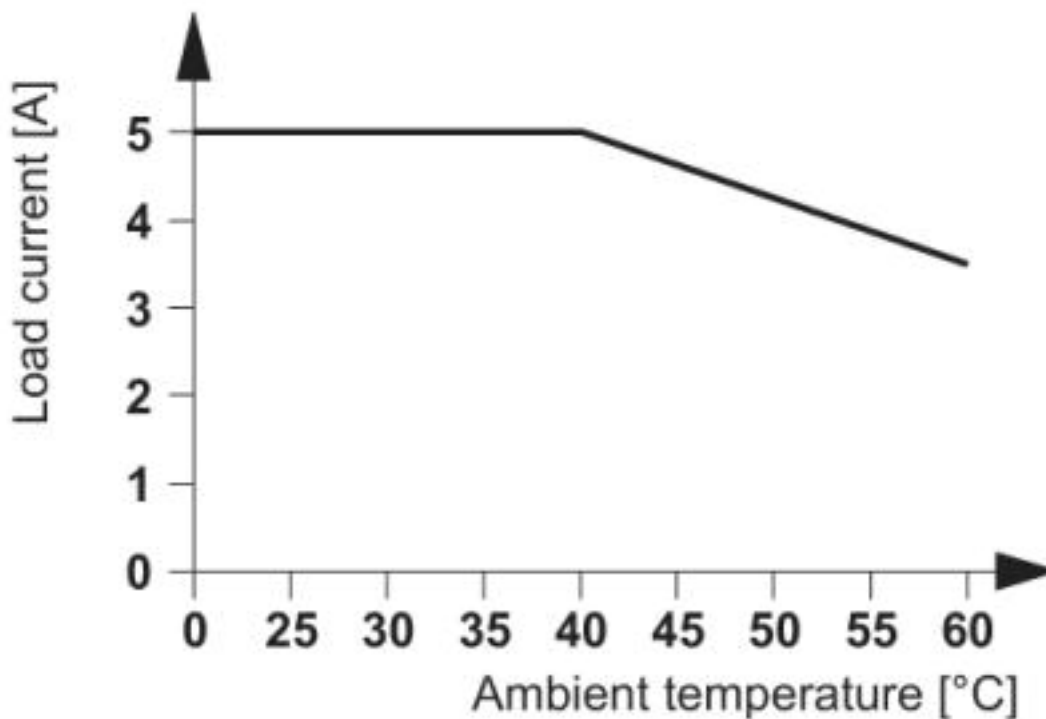


FBST 14-PLC BK - 2967691



## Drawings

Diagram



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Circuit diagram

