

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

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)



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	4046356342612

## 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	10 ms
Typical turn-off time	10 ms
Operating voltage display	Yellow LED
Type of protection	Protection against polarity reversal
Type of protection	Free-wheeling diode
Protective circuit/component	Polarity protection diode

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

## Technical data

### Input data

Protective circuit/component	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 <sup>2</sup> 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

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section solid min.	0.14 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section stranded min.	0.14 mm <sup>2</sup>
Conductor cross section stranded max.	2.5 mm <sup>2</sup>
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	see to derating
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
Rated surge voltage / insulation	Basic insulation
Pollution degree	2
Surge voltage category	III

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

## 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 /

### Approval details

GL
----

## accessories

### Mounting rail

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



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

### accessories

NS 35/ 7,5 PERF 2000MM - 0801733



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



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

### accessories

NS 35/15 AL UNPERF 2000MM - 1201756



NS 35/15 PERF 2000MM - 1201730



NS 35/ 7,5 UNPERF 2000MM - 0801681



### Terminal marking

ZB10/WH-100:UNBEDRUCKT - 5060883



ZB 10:UNBEDRUCKT - 1053001



### Labeled terminal marker

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

## accessories

ZB10,LGS:FORTL.ZAHLEN - 1053014



---

## Partition plate

PLC-ATP BK - 2966841



---

## Power module

PLC-ESK GY - 2966508



---

## Screwdriver tools

SZF 1-0,6X3,5 - 1204517



---

## Relay socket

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

## accessories

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



---

## Bridge

FBST 500-PLC RD - 2966786



---

FBST 500-PLC BU - 2966692



---

FBST 500-PLC GY - 2966838



---

FBST 6-PLC RD - 2966236



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

## accessories

FBST 6-PLC BU - 2966812



FBST 6-PLC GY - 2966825



FBST 8-PLC GY - 2967688



FBST 14-PLC BK - 2967691

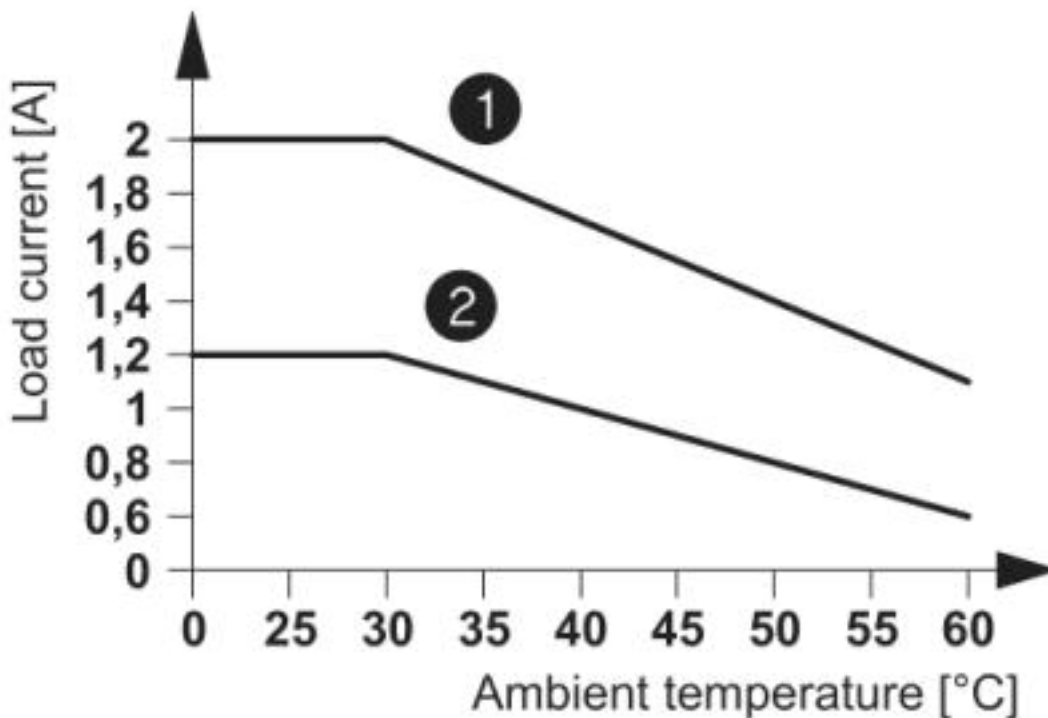


## Drawings



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

Diagram



- ① In rows with 10 mm spacing
- ② In rows with zero spacing

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

Circuit diagram

