

► General data



PLC interface, consisting of base terminal block PLC-BSC with screw connection and pluggable miniature optocoupler, for mounting on mounting rail NS 35/7.5, input: 24 V DC, output: 3-33 V AC/ 3 A

Order number	2966634
Type	PLC-OSC- 24DC/24DC/2
Barcode number	4017918130480
Unit pack	10 Pcs.
Customs tariff	85364190990

► Technical data

Input data

Nominal input voltage U_N	24 V DC
Input voltage range in reference to U_N	0.8 ... 1.2
Input voltage	24 V DC
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
Transmission frequency	300 Hz
Status display	Yes
Protective circuit/component	Polarity protection diode

Output data

Range of supply voltages	3 V DC ... 33 V DC
Continuous current	3 A
Maximum inrush current	15 A (10 ms)
Residual voltage	200 mV
Typical response time	20 μ s (At $U_N = 24$ V AC)
Typical turn-off time	500 μ s (At $U_N = 24$ V AC)
Connection system	2-wire (floating)
Protective circuitry	Polarity protection
Protective circuitry	Surge voltage protection

Connection data

Min. conductor cross section, rigid	0.14 mm ²
Conductor cross section, rigid max.	2.5 mm ²
Conductor cross section flexible min.	0.14 mm ²
Max. conductor cross section, flexible	2.5 mm ²
Min. conductor cross section AWG/kcmil	26
Conductor cross section AWG/kcmil max	14
Type of connection	Screw connection
Stripping length	8 mm
Screw thread	M 3

General data

Length	80 mm
Height	94 mm
Width	6.2 mm
Test voltage input/output	2.5 kV AC
Ambient temperature (operation)	-20 °C ... 60 °C
Standards/regulations	IEC 60 664/IEC 60 664 A/DIN VDE 0110
Standards/regulations	Contamination class 2, surge voltage category III
Installation position	Any
Assembly instructions	In rows with zero spacing
Operating mode	100% operating factor
Inflammability class acc. to UL 94	V0

► Certificates

CUL

Comments	Input
Nominal voltage U_N	24 V
AWG/kcmil	30-12
Comments	Output
Nominal voltage U_N	33 V
Nominal current I_N	2 A
AWG/kcmil	30-12

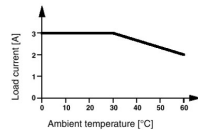
UL

Comments	Input
Nominal voltage U_N	24 V
AWG/kcmil	30-12
Comments	Output
Nominal voltage U_N	33 V
Nominal current I_N	2 A
AWG/kcmil	30-12

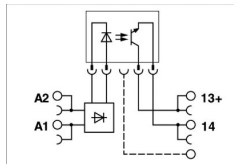
▸ Drawings

Diagram

Derating curve for PLC power optocoupler and miniature optocoupler OPT... with DC output



Circuit diagram



Approval logo



Documentation

Order key

PLC-Q...Order key

Components	Connection system	Nominal input voltage	Output voltage range	Continuous load current	Series setting principle
PLC					
0 - 10 equipped with optocoupler 1 - 10 basic terminal block base	SC 1 screw connection (screw) BP 1 spring lever (spring)	24DC = 24 V DC 24DC = 24 V DC 48DC = 48 V DC 48DC = 48 V DC 120DC = 120 V AC 120DC = 120 V AC 230DC = 230 V AC 230DC = 230 V DC	24DC = 24 V DC 48DC = 48 V DC 120DC = 120 V AC 230DC = 230 V AC	10A = 10 A input optocoupler 1 = 1 A input optocoupler 2 = 2 A input optocoupler	none (standard) series ACT = actuator series for output signals SEN = sensor series for input signals

► Accessories

Item	Designation	Description
Assembly		
0801733	NS 35/ 7,5 GELOCHT METER	DIN rail, material: Steel, perforated, height 7.5 mm, width 35 mm, length: 2 m
0801681	NS 35/ 7,5 UNGELOCHT METER	DIN rail, material: Steel, unperforated, height 7.5 mm, width 35 mm, length: 2 m
0801762	NS 35/ 7,5-CU UNGELOCHT METER	DIN rail, material: Copper, unperforated, height 7.5 mm, width 35 mm, length: 2 m
0801377	NS 35/ 7,5-V2A UNGELOCHT	DIN rail, material: High-grade steel V2A, unperforated, height 5.5 mm, width 15 mm, length: 2 m
1201730	NS 35/15 GELOCHT METER	DIN rail, material: Steel, perforated, height 15 mm, width 35 mm, length: 2 m
1201714	NS 35/15 UNGELOCHT METER	DIN rail, material: Steel, unperforated, height 15 mm, width 35 mm, length: 2 m
1201798	NS 35/15-2,3 UNGELOCHT METER	DIN rail, material: Steel, unperforated, 2.3 mm thick, height 15 mm, width 35 mm, length: 2 m
1201756	NS 35/15-AL UNGELOCHT METER	DIN rail, deep-drawn, high profile, unperforated, 1.5 mm thick, material: Aluminum, height 15 mm, width 35 mm, length 2 m
1201895	NS 35/15-CU UNGELOCHT METER	DIN rail, material: Copper, unperforated, 1.5 mm thick, height 15 mm, width 35 mm, length: 2 m
2966841	PLC-ATP BK	Separating plate, 2 mm thick, required at the start and end of a PLC terminal strip. Furthermore, it is used for: -visual separation of groups, -safe isolation of different voltages of neighboring PLC relays in acc. with DIN VDE 0106-101, -isolation

Bridges

2966812	FBST 6-PLC BU	Plug-in bridge, 2-pos., 6 mm long, insulated, for potential distribution with PLC, color of the insulation material: Blue
2966825	FBST 6-PLC GY	Plug-in bridge, 2-pos., 6 mm long, insulated, for potential distribution with PLC, color of the insulation material: Gray
2966236	FBST 6-PLC RD	Plug-in bridge, 2-pos., 6 mm long, insulated, for potential distribution with PLC, color of the insulation material: Red
2967688	FBST 8-PLC GY	Plug-in bridge, 2-pos., 8 mm long, insulated, for potential distribution with PLC, with separating plate, color of the insulation material: Gray
2967691	FBST 14-PLC BK	Plug-in bridge, 2-pos., 14 mm long, insulated, to increase efficiency with PLC...IC and PLC..HC, color of the insulation material: Black
2966692	FBST 500-PLC BU	Continuous plug-in bridge, 500 mm long, insulated, can be cut to length, for potential distribution with PLC..., color of the insulating material: Blue
2966838	FBST 500-PLC GY	Continuous plug-in bridge, 500 mm long, insulated, can be cut to length, for potential distribution with PLC..., color of the insulating material: Gray
2966786	FBST 500-PLC RD	Continuous plug-in bridge, 500 mm long, insulated, can be cut to length, for potential distribution with PLC..., color of the insulating material: Red

Marking

1051016	ZB 6,LGS:FORTL.ZAHLEN	Zack strip, printed horizontally: 10-section, with the numbers, 1-10, 11-20 etc. up to 991-1000, color: white
5060935	ZB 6/WH-100:UNBEDRUCKT	Zack strip, unprinted: for individual labeling with M-PEN, ZB-T or CMS system, large batch, sufficient for labeling 1000 terminal blocks, color: white
1051003	ZB 6:UNBEDRUCKT	Unprinted marker labels, strips with 10 labels for individual labeling with M-PEN or CMS system, for terminal block width: 6.2 mm, color: white.

► Address

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