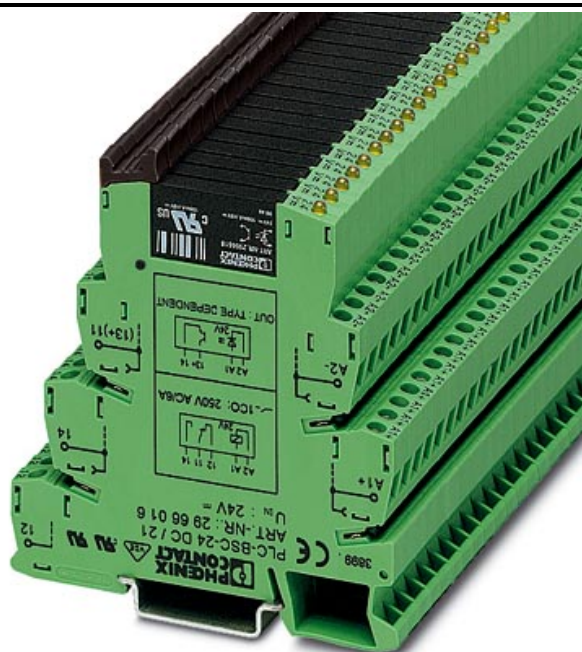


Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation at <http://www.download.phoenixcontact.com>. The General Terms and Conditions of Use apply to Internet downloads.

► Extract from the online catalog



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

Order No.	2966650
Ord designation	PLC-OSC-120UC/24DC/2
EAN	4017918130497
Pack	10 Pcs.
Customs tariff	85364190
Catalog page information	Page 61 (IF-2005)

► Technical data

Input data

Nominal input voltage U_N	120 V AC
Nominal input voltage U_N	110 V DC
Input voltage range in reference to U_N	0.8 ... 1.1
Input voltage	120 V AC
Input voltage	110 V DC
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	4 mA
Transmission frequency	10 Hz
Status display	Yes
Protective circuit/component	Bridge rectifier

Output data

Range of supply voltages	3 V DC ... 33 V DC
Limiting continuous current	3 A
Continuous current	3 A
Maximum inrush current	15 A (10 ms)
Residual voltage	≤ 200 mV
Typical response time	6 ms (At U_N)
Typical turn-off time	10 ms (At U_N)
Connection system	2-wire (floating)
Protective circuitry	Polarity protection
Protective circuitry	Surge protection

Connection data

Conductor cross section, rigid min.	0.14 mm
Conductor cross section, rigid max.	2.5 mm
Conductor cross section flexible min.	0.14 mm
Conductor cross section, flexible max.	2.5 mm
Conductor cross section AWG/kcmil min.	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
Width	6.2 mm
Height	94 mm
Test voltage input/output	2.5 kV AC
Ambient temperature (operation)	-20 ° C ... 60 ° C
Standards/regulations	IEC 60664/IEC 60664 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

Certificate logos



CUL

Comments	Input
Nominal voltage U_N	120 V
AWG/kcmil	30-12
Comments	Output
Nominal voltage U_N	33 V
Nominal current I_N	2 A
AWG/kcmil	30-12

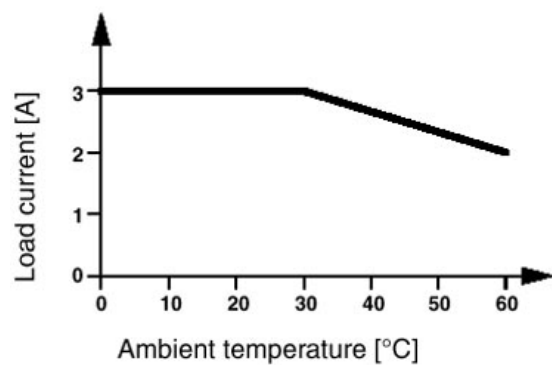
UL

Comments	Input
Nominal voltage U_N	120 V
AWG/kcmil	30-12
Comments	Output
Nominal voltage U_N	33 V
Nominal current I_N	2 A
AWG/kcmil	30-12

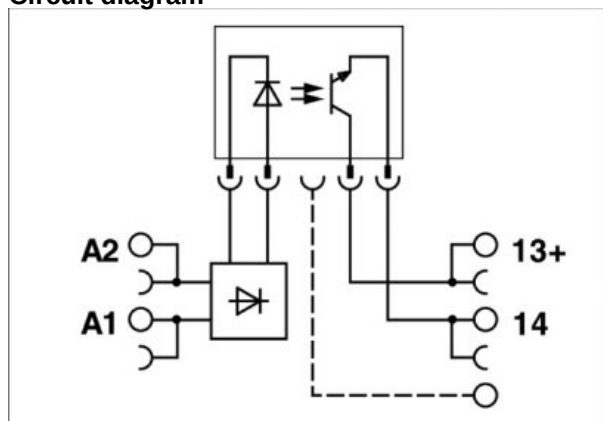
► Drawings

Diagram

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



Circuit diagram



Logo

c  **US**



► Accessories

Item	Designation	Description
Assembly		
0801733	NS 35/ 7,5 PERF 2000MM	DIN rail, material: Steel, perforated, height 7.5 mm, width 35 mm, length: 2 m
0801681	NS 35/ 7,5 UNPERF 2000MM	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 PERF 2000MM	DIN rail, material: Steel, perforated, height 15 mm, width 35 mm, length: 2 m
1201714	NS 35/15 UNPERF 2000MM	DIN rail, material: Steel, unperforated, height 15 mm, width 35 mm, length: 2 m
1201798	NS 35/15-2,3 UNPERF 2000MM	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, 10-section, printed horizontally: 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, for a terminal width of 6.2 mm, color: White
1051003	ZB 6:UNBEDRUCKT	Zack strip, unprinted, strips with 10 labels for individual labeling with M-PEN or CMS system, for terminal block width: 6.2 mm, color: white

► Address

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Phone +49 5235 3 00
Fax +49 5235 3 1200
<http://www.phoenixcontact.com>
Phoenix Contact
Technical modifications reserved;