

Relay modules

Highly compact relay modules - PLC-INTERFACE

Universal PLC series with PDT relay

PLC-R... is the relay series that can be used universally and consists of basic terminal blocks and plug-in relays with PDT contacts.

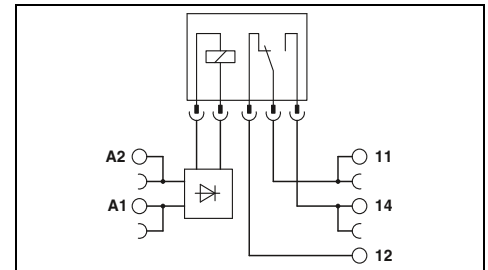
The advantages:

- Slim design
- Screw and push-in connection technology
- Functional jumpers
- Integrated input and interference suppression circuit
- RT III sealed relay
- Safe isolation according to DIN EN 50178 between coil and contact
- Efficient connection to system cabling using V8 adapter

Notes:	
Type of housing:	Polyamide PA non-reinforced, color: green.
Marking systems and mounting material	See Catalog 5
Separating plate PLC-ATP must be installed for voltages larger than 250 V (L1, L2, L3) between identical terminal blocks in adjacent modules. Potential bridging is then carried out with FBST 8-PLC... or FBST 500....	
If the specified maximum values for multi-layer contact relays are exceeded, the gold plating is destroyed. The maximum values of the power contact relay are then valid. This can result in a shorter service life than with a pure power contact.	
For diagrams of operating voltage ranges, see page 423	
Note: for marking material (ZB 6), see "CLIPLINE industrial connection technology, marking material for terminals, conductors, and cables".	
1) 120 and 230 V types up to 55 °C	
2) 230 V types up to 55 °C	



1 PDT with power contact

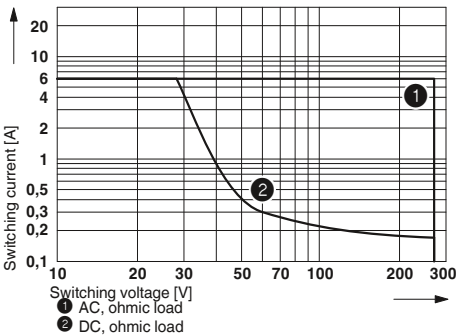


Technical data

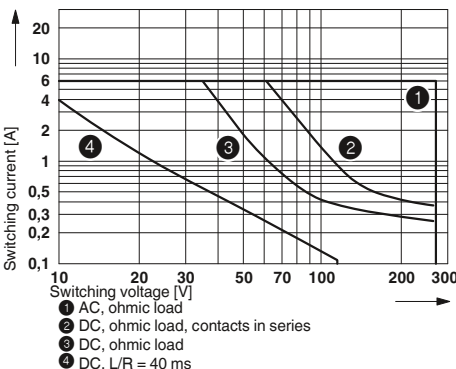
Input data	
Typ. input current at U_N	[mA]
Response/release time at U_N	[ms]
Input circuit DC	
Input circuit AC/DC	
Output data	
Contact material	AgSnO
Max. switching voltage	250 V AC/DC
Min. switching voltage	5 V (at 100 mA)
Limiting continuous current	6 A
Max. inrush current	on request
Min. switching current	10 mA (at 12 V)
General data	
Test voltage input/output	4 kV AC (50 Hz, 1 min.)
Ambient temperature (operation)	-40 °C ... 60 °C ¹⁾
Mechanical service life	2 x 10 ⁷ cycles
Standards/regulations	IEC 60664, EN 50178, IEC 62103
Connection data solid / stranded / AWG	0.14 - 2.5 mm ² / 0.14 - 2.5 mm ² / 26 - 14
Dimensions	W / H / D
EMC note	Class A product, see page 625

①	②	③	④	⑤	⑥	⑦
15.3	9	11	9.2	4.8	3.5	3.2
5/8	5/8	6/15	5/8	5/8	6/15	7/15
Yellow LED, protection against polarity reversal, freewheeling diode						
Yellow LED, bridge rectifier						

Electrical interrupting rating for PLC...21 with 1-PDT relay



Electrical interrupting rating for PLC...21-21 with 2-PDT relay



Description	Input voltage U_N
PLC-INTERFACE, with screw connection	
①	12 V DC
②	24 V DC
③	24 V AC/DC
④	48 V DC
⑤	60 V DC
⑥	120 V AC (110 V DC)
⑦	230 V AC (220 V DC)
PLC-INTERFACE, with push-in connection	
①	12 V DC
②	24 V DC
③	24 V AC/DC
④	48 V DC
⑤	60 V DC
⑥	120 V AC (110 V DC)
⑦	230 V AC (220 V DC)

Ordering data

Type	Order No.	Pcs. / Pkt.
PLC-RSC- 12DC/21	2966906	10
PLC-RSC- 24DC/21	2966171	10
PLC-RSC- 24UC/21	2966184	10
PLC-RSC- 48DC/21	2966113	10
PLC-RSC- 60DC/21	2966139	10
PLC-RSC-120UC/21	2966197	10
PLC-RSC-230UC/21	2966207	10
PLC-RPT- 12DC/21	2900316	10
PLC-RPT- 24DC/21	2900299	10
PLC-RPT- 24UC/21	2900300	10
PLC-RPT- 48DC/21	2900301	10
PLC-RPT- 60DC/21	2900303	10
PLC-RPT-120UC/21	2900304	10
PLC-RPT-230UC/21	2900305	10