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PLC-INTERFACE with manual switch and relay

Relay module with manual switch and integrated power relay for manual, zero, and automatic functions

The advantages are:
– Max. switching current of 6 A
– Only 6.2 mm wide
– Floating confirmation contact
– Safe isolation according to DIN EN 50178 between coil and contact
– Screw, spring-cage, and push-in technology

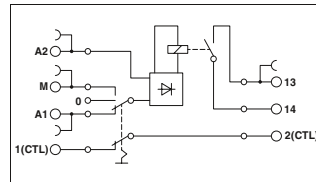| Notes: |
|---|
| Type of housing: Polyester PBT non-reinforced, color: green. |
| Marking systems and mounting material See Catalog 5 |
| For the protection of input and output, inductive loads must be dampened with an effective protection circuit. |
| Separating plate PLC-ATP is to be used in the following cases: always at the start and end of a PLC terminal strip, for voltages greater than 250 V (L1, L2, L3) between the same terminal points of neighboring modules (potential bridging then takes place with FBST 8-PLC... or FBST 500...) and with safe isolation between neighboring modules. |
| Module height: PLC-...-S/H = 90 mm; PLC-...-S/L = 86 mm |
| PLC...H - manual operation PLC...L - operation using screwdriver |
| 1) EMC: Class A product, see page 571 |

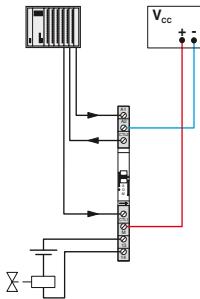**Relay module with manual switch and integrated relay**

Technical data

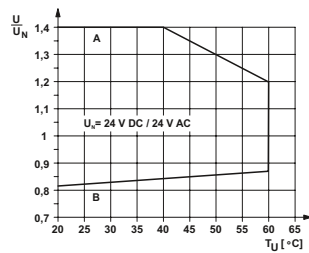|	①	②
Input data		
Typ. input current at U_N [mA]	11	11
Response/release time at U_N [ms]	6 / 15	6 / 15
Input circuit AC/DC	Yellow LED, Bridge rectifier	
Output data		
Contact material	AgSnO	
Max. switching voltage	250 V AC/DC	
Min. switching voltage	5 V (at 100 mA)	
Limiting continuous current	6 A	
Max. inrush current	(on request)	
Min. switching current	10 mA (at 12 V)	
Feedback		
Operating mode "Automatic" floating	max. 30 V AC/DC / 50 mA	
	min. 2 V AC/DC / 1 mA	
General data		
Rated insulation voltage	250 V AC	
Rated surge voltage	6 kV	
Ambient temperature (operation)	-20°C ... 60°C	
Standards/regulations	IEC 60664, EN 50178, IEC 62103	
Pollution degree/surge voltage category	2 / III	
Connection data solid / stranded / AWG	0.14 - 2.5 mm² / 0.14 - 2.5 mm² / 26 - 14	
Dimensions W / H / D	6.2 mm / 80 mm / 90 mm	

Application example PLC-RS...24UC/1/S...

Permissible input voltage range for PLC-RS...24UC/1/S...

$U_N = 24$ V DC / 24 V AC

Curve A
maximum continuous voltage at limiting continuous current = 6 A

Curve B
minimum operating voltage for pre-excitation with U_N and limiting continuous current = 6 A

Ordering data

Description	Input voltage U_N	Type	Order No.	Pcs. / Pkt.
PLC INTERFACE, with **screw connection**				
①	24 V AC/DC	PLC-RSC- 24UC/ 1/S/H	2982236	10
②	24 V AC/DC	PLC-RSC- 24UC/ 1/S/L¹)	2834876	10
PLC INTERFACE, with **spring-cage connection**				
①	24 V AC/DC	PLC-RSP- 24UC/ 1/S/H	2982249	10
②	24 V AC/DC	PLC-RSP- 24UC/ 1/S/L¹)	2834889	10
PLC-INTERFACE, with **push-in connection**				
①	24 V AC/DC	PLC-RPT- 24UC/ 1/S/H¹)	2900328	10
②	24 V AC/DC	PLC-RPT- 24UC/ 1/S/L¹)	2900327	10

PLC-INTERFACE with manual switch without relay

Switching module without relay for manual, zero, and automatic functions
The advantages:
– Only 6.2 mm wide
– Floating confirmation contact
– Screw and spring-cage connection technology

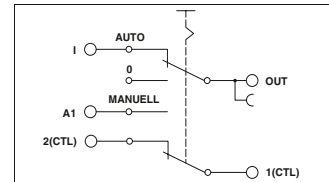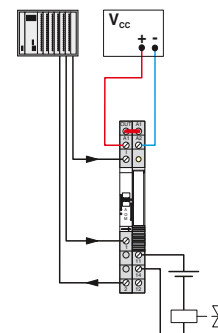| Notes: |
|---|
| Type of housing: Polyester PBT non-reinforced, color: green. |
| Marking systems and mounting material See Catalog 5 |
| For the protection of input and output, inductive loads must be dampened with an effective protection circuit. |
| Separating plate PLC-ATP is to be used in the following cases: always at the start and end of a PLC terminal strip, for voltages greater than 250 V (L1, L2, L3) between the same terminal points of neighboring modules (potential bridging then takes place with FBST 8-PLC... or FBST 500...) and with safe isolation between neighboring modules. |
| Module height: PLC-...-S/H = 90 mm; PLC-...-S/L = 86 mm |
| PLC...H - manual operation PLC...L - operation using screwdriver |

Module with manual switch without relay

Technical data

Max. switching voltage	72 V DC
Min. switching voltage	2 V DC
Max. inrush current	50 mA
Min. switching current	1 mA
Cycles, max.	100 (At 72 V DC / 50 mA) / 10000 (at 12 V DC / 100 mA)
Feedback	
Operating mode "Automatic" floating	≤ 72 V DC / 50 mA
General data	
Rated insulation voltage	85 V AC
Rated surge voltage	0.5 kV / basic insulation
Ambient temperature (operation)	-20°C ... 60°C
Standards/regulations	IEC 60664, EN 50178, IEC 62103
Pollution degree/surge voltage category	2 / III
Dimensions W / H / D	6.2 mm / 80 mm / 90 mm

Application example PLC-S...S...

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
PLC INTERFACE, with **screw connection**			
	PLC-SC-S/H	2980733	10
	PLC-SC-S/L	2980775	10
PLC INTERFACE, with **spring-cage connection**			
	PLC-SP-S/H	2980746	10
	PLC-SP-S/L	2980788	10

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To access the product, click on the green button.

Product	Code	Reference	Product link
PLC-INTERFACE with switch (operation using a screwdriver) and integrated power contact relay for Manual, Zero, and Automatic functions, with spring-cage connection, for mounting on NS 35/7.5 DIN rail, one N/O contact, 24 V AC/DC input voltage	2834889	PLC-RSP-24UC/ 1/S/L	Buy on EAN
PLC-INTERFACE with switch (operation by hand) and integrated power contact relay for the Manual, Zero and Automatic functions, with spring-cage connection, for assembly on DIN rail NS 35/7.5, a N/O, input voltage 24 V AC/DC	2982249	PLC-RSP-24UC/ 1/S/H	Buy on EAN