



Automatización Eléctrica
Especialistas en Automatización

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Relay modules

PLC series

PLC-INTERFACE for high inrush currents

PLC relay modules for high inrush currents due, for example, to capacitive loads

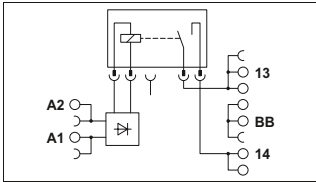
The advantages:

- Max. inrush current of 130 A
- Direct connection of load return line thanks to actuator type
- Screw, spring-cage, and push-in technology
- Safe isolation according to DIN EN 50178 between coil and contact
- Functional plug-in bridges
- 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....	
For diagrams of operating voltage ranges, see page 343	
1) EMC: Class A product, see page 571	



1 N/O contact of up to 130 A peak



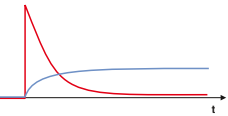
Technical data

Input data	①
Typ. input current at U_{IN}	18 [mA]
Response/release time at U_{IN}	8 / 10 [ms]
Input circuit DC	Yellow LED, Protection against polarity reversal, freewheeling diode
Output data	
Contact material	AgSnO
Max. switching voltage	250 V AC/DC
Min. switching voltage	12 V AC/DC (at 100 mA)
Max. inrush current	80 A (for 20 ms) / 130 A (peak, at capacitive load, 230 V AC, 24 μ F)
General data	
Test voltage input/output	4 kV AC (50 Hz, 1 min.)
Ambient temperature (operation)	-40°C ... 60°C
Mechanical service life	3 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 14 mm / 80 mm / 94 mm

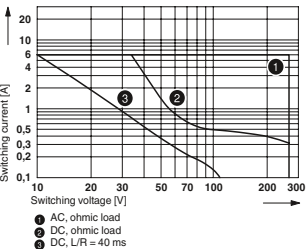
Ordering data

Description	Input voltage U_{IN}	Type	Order No.	Pcs. / Pkt.
PLC INTERFACE, with screw connection ①	24 V DC	PLC-RSC- 24DC/ 1IC/ACT ¹⁾	2967604	10
PLC INTERFACE, with spring-cage connection ②	24 V DC	PLC-RSP- 24DC/ 1IC/ACT ¹⁾	2912413	10
PLC-INTERFACE, with push-in connection ③	24 V DC	PLC-RPT- 24DC/ 1IC/ACT ¹⁾	2900298	10

Basic behavior of capacitive loads:
- Very high input current
- Voltage increases with an e-function



Max. interrupting rating



Relay modules

PLC series

PLC-INTERFACE for high continuous currents

PLC relay modules for high continuous switching currents

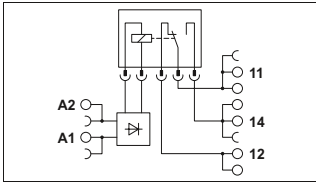
The advantages:

- Max. continuous current of 10 A
- Safe isolation according to DIN EN 50178 between coil and contact
- Screw, spring-cage, and push-in technology
- Functional plug-in bridges
- Efficient connection to system cabling using V8 adapter
- Long electrical service life thanks to 16 A relay
- All common input voltages of 12 V DC to 230 V AC

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....	
For diagrams of operating voltage ranges, see page 343	
1) 230 V types up to 55°C	
2) EMC: Class A product, see page 571	



1 PDT up to 10 A

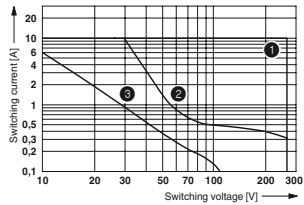


Technical data

Input data	①	②	③	④	⑤	⑥	⑦
Typ. input current at U_{IN}	33	18	17.5	20	10	4.5	4.5
Response/release time at U_{IN}	8 / 10	8 / 10	8 / 10	8 / 10	8 / 10	7 / 10	7 / 10
Input circuit DC	Yellow LED, Protection against polarity reversal, freewheeling diode						
Input circuit AC/DC	Yellow LED, Bridge rectifier						
Output data							
Contact material	AgNi						
Max. switching voltage	250 V AC/DC						
Min. switching voltage	12 V AC/DC						
Limiting continuous current	10 A						
Max. inrush current	30 A (300 ms)						
Min. switching current	100 mA						
General data							
Test voltage input/output	4 kV AC (50 Hz, 1 min.)						
Ambient temperature (operation)	-40°C ... 60°C ¹⁾						
Mechanical service life	3 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 14 mm / 80 mm / 94 mm						

Ordering data

Description	Input voltage U_{IN}	Type	Order No.	Pcs. / Pkt.
PLC INTERFACE, with screw connection				
①	12 V DC	PLC-RSC- 12DC/21HC ²⁾	2967617	10
②	24 V DC	PLC-RSC- 24DC/21HC ²⁾	2967620	10
③	24 V AC/DC	PLC-RSC- 24UC/21HC ²⁾	2967633	10
④	48 V DC	PLC-RSC- 48DC/21HC ²⁾	2967646	10
⑤	60 V DC	PLC-RSC- 60DC/21HC ²⁾	2967659	10
⑥	120 V AC (110 V DC)	PLC-RSC-120UC/21HC ²⁾	2967662	10
⑦	230 V AC (220 V DC)	PLC-RSC-230UC/21HC ²⁾	2967675	10
PLC INTERFACE, with spring-cage connection				
①	12 V DC	PLC-RSP- 12DC/21HC ²⁾	2912264	10
②	24 V DC	PLC-RSP- 24DC/21HC ²⁾	2912277	10
③	24 V AC/DC	PLC-RSP- 24UC/21HC ²⁾	2912280	10
④	48 V DC	PLC-RSP- 48DC/21HC ²⁾	2912293	10
⑤	60 V DC	PLC-RSP- 60DC/21HC ²⁾	2912303	10
⑥	120 V AC (110 V DC)	PLC-RSP-120UC/21HC ²⁾	2912316	10
⑦	230 V AC (220 V DC)	PLC-RSP-230UC/21HC ²⁾	2912329	10
PLC-INTERFACE, with push-in connection				
①	12 V DC	PLC-RPT- 12DC/21HC ²⁾	2900290	10
②	24 V DC	PLC-RPT- 24DC/21HC ²⁾	2900291	10
③	24 V AC/DC	PLC-RPT- 24UC/21HC ²⁾	2900293	10
④	48 V DC	PLC-RPT- 48DC/21HC ²⁾	2900294	10
⑤	60 V DC	PLC-RPT- 60DC/21HC ²⁾	2900295	10
⑥	120 V AC (110 V DC)	PLC-RPT-120UC/21HC ²⁾	2900296	10
⑦	230 V AC (220 V DC)	PLC-RPT-230UC/21HC ²⁾	2900297	10



Max. interrupting rating

Below is a list of articles with direct links to our shop Electric Automation Network where you can see:

- Quote per purchase volume in real time.
- Online documentation and datasheets of all products.
- Estimated delivery time enquiry in real time.
- Logistics systems for the shipment of materials almost anywhere in the world.
- Purchasing management, order record and tracking of shipments.

To access the product, [click on the green button.](#)

Product	Code	Reference	Product link
PLC-INTERFACE, consisting of PLC-BSP../21 HC basic terminal block with spring-cage connection and plug-in miniature relay for high continuous current, for mounting on NS 35/7,5 DIN rail, 1 PDT, 12 V DC input voltage, limiting continuous current up to 10	2912264	PLC-RSP-12DC/21HC	Buy on EAN
PLC Relay, consisting of basic terminal block PLC-BSP../21 HC with spring-cage connection, and pluggable miniature relays for high continuous current, for assembly on DIN rail NS 35/7.5, 1 PDT, input voltage 24 V AC/DC, limiting continuous current up to	2912280	PLC-RSP-24UC/21HC	Buy on EAN
PLC-INTERFACE, consisting of PLC-BSP../21 HC basic terminal block with spring-cage connection and plug-in miniature relay for high continuous current, for mounting on NS 35/7,5 DIN rail, 1 PDT, 48 V DC input voltage, limiting continuous current up to 10	2912293	PLC-RSP-48DC/21HC	Buy on EAN
PLC-INTERFACE, consisting of PLC-BSP../21 HC basic terminal block with spring-cage connection and plug-in miniature relay for high continuous current, for mounting on NS 35/7,5 DIN rail, 1 PDT, 60 V DC input voltage, limiting continuous current up to 10	2912303	PLC-RSP-60DC/21HC	Buy on EAN
PLC-INTERFACE, consisting of PLC-BSP../21 HC basic terminal block with spring-cage connection and plug-in miniature relay for high continuous current, for mounting on NS 35/7,5 DIN rail, 1 PDT, 120 V AC/DC input voltage, limiting continuous current up to	2912316	PLC-RSP-120UC/21HC	Buy on EAN