

Relay modules

Industrial relay system with push-in connection - RIFLINE complete

Plug-in miniature power relays

Plug-in miniature power relays suitable for RIF-0 and PLC-INTERFACE relay bases.

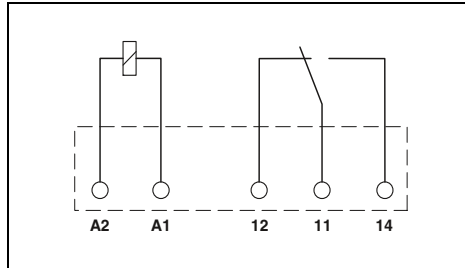
The advantages:

- Power contacts up to 6 A
- Multi-layer gold contact or power contact
- High degree of protection RT III (comparable with IP67)
- Safe isolation according to DIN EN 50178 between coil and contact
- Can be soldered in on PCB



1 PDT

Notes:
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 dimensional drawings and perforations for assembly, see page 424



Technical data

	①	②
Input data		
Permissible range (with reference to U_N)	see diagram	
Typ. input current at U_N	14	7
Typ. response time at U_N	5	5
Typ. release time at U_N	2.5	2.5
Output data		
Contact type	1 PDT	1 PDT
Contact material	AgSnO	AgSnO, hard gold-plated
Max. switching voltage	250 V AC/DC	30 V AC / 36 V DC
Min. switching voltage	5 V (at 100 mA)	100 mV (at 10 mA)
Limiting continuous current	6 A	50 mA
Max. inrush current	on request	50 mA
Min. switching current	10 mA (at 12 V)	1 mA (at 24 V)
General data		
Test voltage (winding/contact)	4 kV AC (50 Hz, 1 min.)	
Ambient temperature (operation)	-40 °C ... 85 °C	
Nominal operating mode	100% operating factor	
Mechanical service life	2 x 10 ⁷ cycles	
Standards/regulations	IEC 60664, EN 50178, IEC 62103	
Mounting position / mounting	any / can be aligned without spacing	
Dimensions	5 mm / 28 mm / 15 mm	

Ordering data

Description	Input voltage U_N	Type	Order No.	Pcs. / Pkt.
Plug-in miniature power relay				
with power contacts	① 12 V DC	REL-MR- 12DC/21	2961150	10
with power contacts	② 24 V DC	REL-MR- 24DC/21	2961105	10
Plug-in miniature power relay				
with multi-layer gold contacts	① 12 V DC	REL-MR- 12DC/21AU	2961163	10
with multi-layer gold contacts	② 24 V DC	REL-MR- 24DC/21AU	2961121	10