PK-1P 12 V
Electromagnetic relay

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CE

Purpose

Electromagnetic relay in single-module housing for direct mounting on TH-35 rail.
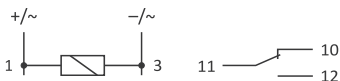
Functioning

Applying the supply voltage to the relay coil will switch the contacts to position 11-12. This state is indicated by a green LED. After a power failure, the contacts return to position 11-10.

Assembly

1. Switch off the power supply.
2. Mount the relay on the rail in the distribution box.
3. Connect the power supply to terminals 1-3 (in any order).
4. Connect the power supply circuit of the controlled receiver via contacts 11-12 (NO contact).

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1 ———[/]——— 3   11 ——/ ——— 10
                                   —— 12

1-3	power supply 12 V AC/DC
10	NC break contact (passive)
11	COM common contact
12	NO closing contact (active)

Technical data

power supply	12 V AC/DC
maximum load current (AC-1)	16 A*
switching voltage	250 V AC
contact	1×NO/NC
usage category	AC-7a
insulation voltage	400 V
surge voltage	
contacts-coil	2.5 kV
contact separation	1.2 kV
surge resistance	3 kV
current consumption	25 mA
activation time	<40 ms
deactivation time	<20 ms
mechanical durability	min. $5×10^6$ cycles
electrical durability	min. $1×10^5$ cycles
power indicator	LED
power consumption	25 mA
working temperature	-25÷50°C
terminal	screw terminals 2.5 mm²
tightening torque	0.4 Nm
dimensions	1 module (18 mm)
mounting	on TH-35 rail
protection level	IP20

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* modular contactors are recommended

Warranty

F&F products are covered by a 24-month warranty from the date of purchase. The warranty is only valid with proof of purchase. Contact your dealer or contact us directly.

CE declaration

F&F Filipowski sp. j. declares that the device is in conformity with the essential requirements of The Low Voltage Directive (LVD) 2014/35/EU and the Electromagnetic Compatibility (EMC) Directive 2014/30/UE. The CE Declaration of Conformity, along with the references to the standards in relation to which conformity is declared, can be found at www.fif.com.pl on the product page: www.fif.com.pl from the product subpage.