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PK-3P 48 V Electromagnetic relay



Do not dispose of this device in the trash along with other waste! According to the Law on Waste, electro coming from households free of charge and can give any amount to up to that end point of collection, as well as to store the occasion of the purchase of new equipment (in accordance with the principle of old-for-new, regardless of brand). Electro thrown in the trash or abandoned in nature, pose a threat to the environment and human health.



Purpose

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

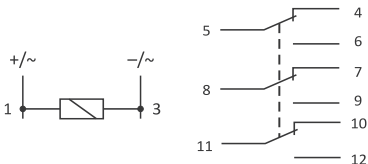
Functioning

Applying the supply voltage to the relay coil will switch the contacts to positions 5-6, 8-9 and 11-12. This state is indicated by a green LED. After a power failure, the contacts return to positions 5-4, 8-7 and 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. For AC voltage: in any order, for DC voltage 1(+) and 3(-).
4. Connect the power supply circuit of the controlled receiver via contacts 5-6, 8-9 and 11-12 (NO contacts).

Connecting diagram



- 1-3 power supply 48 V AC/DC
- 4 NC break contact (passive)
- 5 COM common contact
- 6 NO closing contact (active)
- 7 NC break contact (passive)
- 8 COM common contact
- 9 NO closing contact (active)
- 10 NC break contact (passive)
- 11 COM common contact
- 12 NO closing contact (active)

Technical data

| | |
|-----------------------------|-------------------------------------|
| power supply | 48 V AC/DC |
| maximum load current (AC-1) | 3×8 A* |
| switching voltage | 250 V AC |
| contact | 3×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 mm ² |
| tightening torque | 0.4 Nm |
| dimensions | 1 module (18 mm) |
| mounting | on TH-35 rail |
| protection level | IP20 |

* 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.