

Datasheet

Stock No: 121-7810, 121-7811, 121-7812, 121-7813, 121-7814

RS Pro DPCO Miniature Power Relay

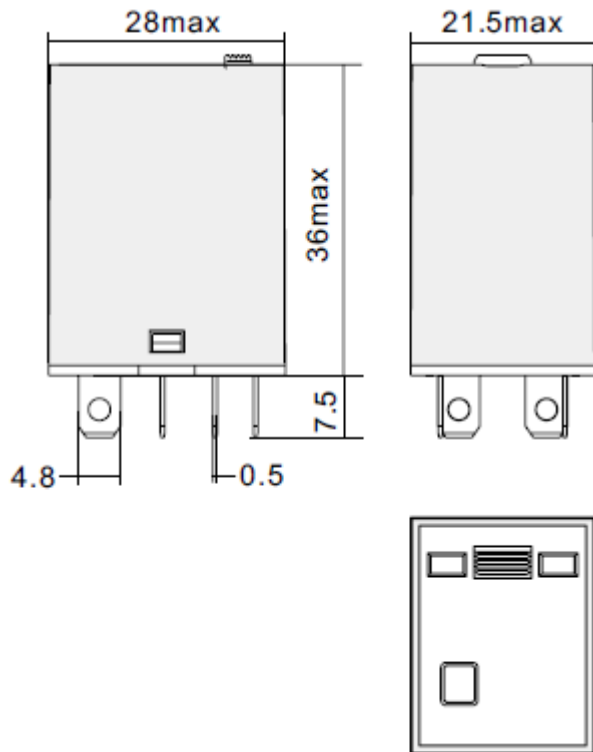


Specifications:

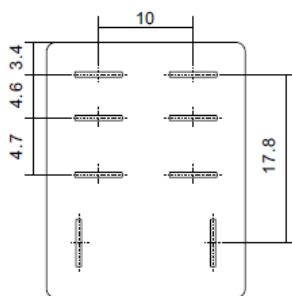
- Double Pole 10A Industrial Plug-in Relay
- Gold plated contact
- Double side LED integrated in relay
- Lockable test button and inspection window
- Identification of coils through test button colour (AC red / DC blue)
- Conformity with RoHs directive

| RS Stock No | | 121-7810 | 121-7811 | 121-7812 | 121-7813 | 121-7814 |
|-------------------------------------|--------------------------------|--|---------------------------|-------------------|-------------------|-------------------|
| Characteristics | | | | | | |
| Nominal Voltage | | 12VDC | 24VDC | 24VAC | 110VAC | 230VAC |
| Options | | LED + Test Button + Diode | LED + Test Button + Diode | LED + Test Button | LED + Test Button | LED + Test Button |
| Contact | Configuration | Double Pole Change Over | | | | |
| | Rated Current AC-1 | 10A/250VAC, 30Vdc | | | | |
| | Rated Voltage AC-15 | 1/3HP, 120VAC, 1/2HP, 240VAC | | | | |
| | Switching Capacity (resistive) | 2500VA, 300W | | | | |
| | Initial Contact Resistance | ≤50mΩ | | | | |
| | Material | Ag alloy | | | | |
| | Electrical Durability | ≥10 ⁵ times (1800 Ops/h) | | | | |
| | Mechanical Durability | ≥10 ⁷ times (18000 Ops/h) | | | | |
| Pick-up Voltage (23°C) | | DC: ≤75% rated voltage, AC: ≤80% rated voltage | | | | |
| Drop-out Voltage (23°C) | | DC: ≥10% rated voltage, AC: ≥30% rated voltage | | | | |
| Maximum Voltage (23°C) | | 110% rated voltage | | | | |
| Insulation resistance | | ≥500mΩ (500VDC) | | | | |
| Coil Operating Power | DC (W) | 0.9 | | | | |
| | AC (VA) | 1.2 | | | | |
| Operating Time (at nominal voltage) | | ≤20ms | | | | |
| Release Time (at nominal voltage) | | ≤20ms | | | | |
| Initial Breakdown Voltage | Between open contacts | 1000VAC/1min | | | | |
| | Between Poles | 2000VAC/1min | | | | |
| | Between contacts and coil | 2000VAC/1min | | | | |
| Ambient Temperature | | -25~+55°C | | | | |
| Humidity | | 35%~85%RH | | | | |
| Air Pressure | | 86~106KPa | | | | |
| Shock Resisance | | 10G | | | | |
| Vibration Resistance | | 10~55Hz double-amplitude: 1.0mm | | | | |
| Mounting | | Plug-in | | | | |
| Unit Weight | | 50g | | | | |

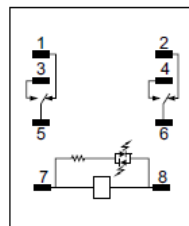
Mounting Dimensions (mm)



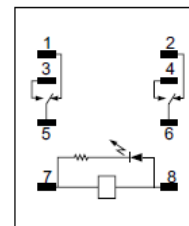
Schemes



DC



AC



DC-D

