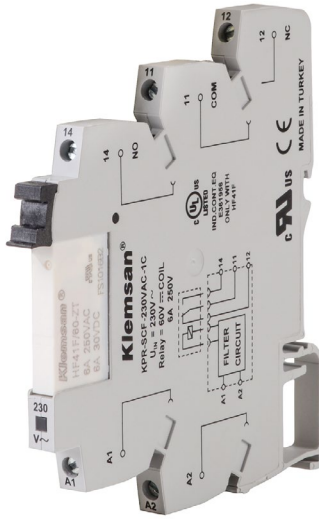


Slim Interface Relays



KPR-SCF-230VAC-1

Klemans Slim Interface Relays are highly compact and lightweight relays especially useful where cabinet space is a consideration. Encased in a self-extinguishing plastic housing, these high quality relays offer a long useful life. Great for use with PLC automation systems, electric power plants, energy management systems, medium voltage panels, industrial machines, and more.

Features

- 35mm DIN rail mount
- Slim 6.2 mm design
- Integrated LED indicator (On)
- Integrated resistor, capacitor, and Zener diode (RCZ) filter on select models
 - For use in supply circuits where leakage current is an issue
- DC and AC supply voltage options
- Wide range of power input from 12V to 230V
- High level of electromagnetic compatibility (EMC)
- Self-extinguishing plastic housing
- Plug-in bridges
- UL certified

| Slim Interface Relays Selection Guide | | | | | | |
|---------------------------------------|--------|-------------------------------------|--------------|---------------|----------------|-----------------------|
| Part Number | Price | Description | Coil Voltage | Configuration | Contact Rating | Integrated RCZ Filter |
| KPR-SCF-230VAC-1 | \$6.25 | Interface relay with LED indicators | 230VAC | SPDT | 6A | Yes |
| KPR-SCF-115VACDC-1 | \$6.25 | | 115V AC/DC | | | Yes |
| KPR-SCE-12VACDC-1 | \$6.25 | | 12V AC/DC | | | No |
| KPR-SCE-24VACDC-1 | \$6.25 | | 24V AC/DC | | | No |
| KPR-SCE-230VACDC-1 | \$7.50 | | 230V AC/DC | | | No |

| Slim Interface Relays Accessories | | | |
|-----------------------------------|---------|---|----------|
| Part Number | Price | Description | Quantity |
| APP-KPR | \$3.25 | Orange polyamide separator plate | 5 |
| TK-KPR-S16 | \$10.50 | 16-pole push-in type interface relay jumper | 5 |
| TK-KPR-S8 | \$6.75 | 8-pole push-in type interface relay jumper | 5 |

Note: Relay jumpers can be cut to match the number of relays when less than 8 or 16 count.



APP-KPR Separator Plate



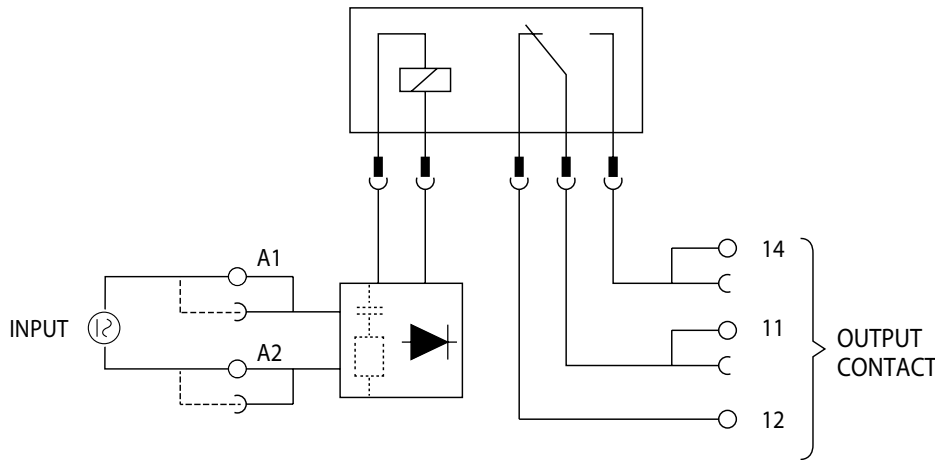
TK-KPR-S16 16-pole Jumper

Slim Interface Relay Specifications

| Slim Interface Relays Specification Table | | | | | | |
|---|---|--------------------|-------------------|-------------------|--------------------|---------|
| Part Numbers | KPR-SCF-230VAC-1 | KPR-SCF-115VACDC-1 | KPR-SCE-12VACDC-1 | KPR-SCE-24VACDC-1 | KPR-SCE-230VACDC-1 | |
| Input | | | | | | |
| Nominal Voltage | 230VAC | 115V AC/DC | 12V AC/DC | 24V AC/DC | 230V AC/DC | |
| Operating voltage range | 196-265 VAC | 98-132V AC/DC | 10-14V AC/DC | 20-28V AC/DC | 196-265V AC/DC | |
| Release voltage | 92VAC | 46V AC/DC | 5V AC/DC | 10V AC/DC | 92V AC/DC | |
| Power Consumption | AC | <0.9 VA | <0.7 VA | <0.35 VA | <0.2 VA | <1.3 VA |
| | DC | n/a | <0.6 W | <0.35 W | <0.2 W | <1.2 W |
| Contact Specifications | | | | | | |
| Type | 1 SPDT | | | | | |
| Material | Silver Tin Oxide (AgSnO ₂) | | | | | |
| Operate time | 10ms maximum | | | | | |
| Release time | 5ms maximum | | | | | |
| Max Wire Size | 2.5 mm ² (14AWG) | | | | | |
| Max. ratings | AC | 6A/250VAC, 1500VA | | | | |
| | DC | 6A/30VDC; 180W | | | | |
| Minimum Load | 6VDC 0.1 A | | | | | |
| Mechanical life time | 10 ⁷ operations | | | | | |
| Electrical life time operations | 3x10 ⁴ NO operations 1x10 ⁴ NC operations | | | | | |
| Wiping Current | 10VDC 10mA, 50 cycles 15-20 Hz | | | | | |
| General Specifications | | | | | | |
| Connection | Screw terminal | | | | | |
| Isolation resistance | 1000MΩ (500VDC) | | | | | |
| Dielectric strength | Between relay coil and contacts: 4000VAC for 1 minute Between contacts: 1000VAC for 1 minute | | | | | |
| Ambient temperature | -40°C to +85°C [-40°F to +185°F] | | | | | |
| Ambient humidity | 5 to 85% (no condensation) | | | | | |
| Protection rating | IP20 | | | | | |
| Mounting position | No restrictions | | | | | |
| Maximum torque | 0.4 N·m [0.295 ft·lbs] | | | | | |
| Relay Indicator | Green LED | | | | | |
| Weight (g [oz]) | 33.4 [1.18] | 33.6 [1.19] | 33.2 [1.17] | 33.0 [1.16] | 33.2 [1.17] | |
| Agency Approvals and Standards | UL Listed (E361956) CE REACH | | | | | |

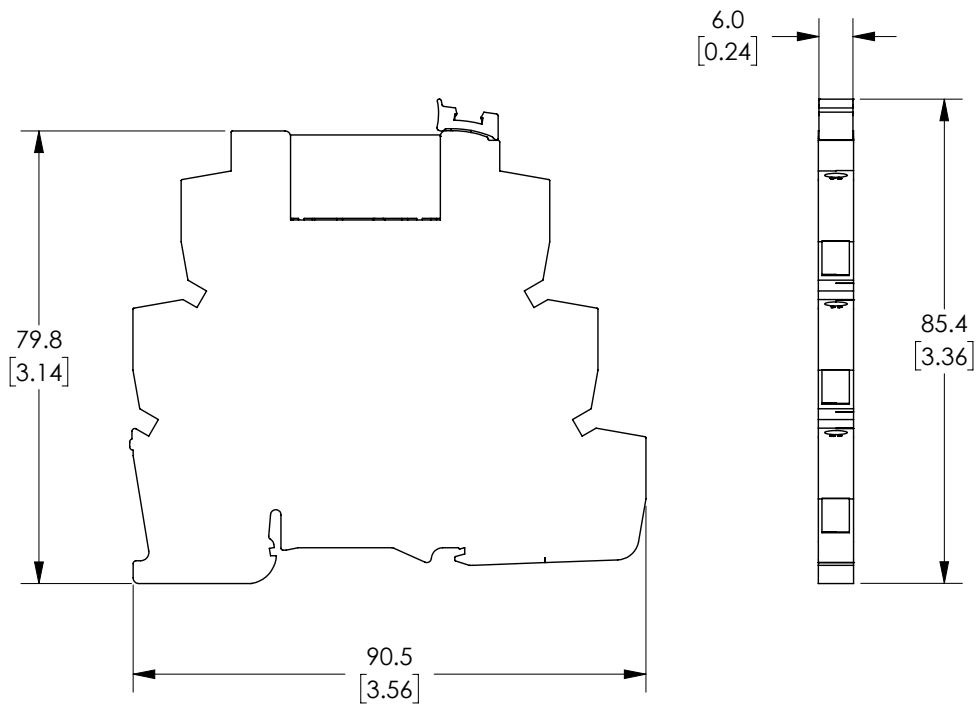
Slim Interface Relays Diagrams

Wiring Diagram



Dimensions

mm [inches]



Please see our website www.AutomationDirect.com for complete engineering drawings.