

Slim Interface Relays

Overview

Klemsan 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



KPR-SCF-230VAC-1

Slim Interface Relays							
Part Number	Price	Description	Coil Voltage	Configuration	Contact Rating	Integrated RCZ Filter	Drawing Link
<u>KPR-SCF-230VAC-1</u>	\$9.00	Interface relay with LED indicators	230VAC	SPDT	6A	Yes	<u>PDF</u>
<u>KPR-SCF-115VACDC-1</u>	\$9.00		115V AC/DC			Yes	<u>PDF</u>
<u>KPR-SCE-12VACDC-1</u>	\$8.00		12V AC/DC			No	<u>PDF</u>
<u>KPR-SCE-24VACDC-1</u>	\$8.00		24V AC/DC			No	<u>PDF</u>
<u>KPR-SCE-230VACDC-1</u>	\$9.00		230V AC/DC			No	<u>PDF</u>

Slim Interface Relays Accessories				
Part Number	Price	Description	Quantity	Drawing Link
<u>APP-KPR</u>	\$4.00	Orange polyamide separator plate	5	<u>PDF</u>
<u>TK-KPR-S16</u>	\$13.00	16-pole push-in type interface relay jumper	5	<u>PDF</u>
<u>TK-KPR-S8</u>	\$8.00	8-pole push-in type interface relay jumper	5	<u>PDF</u>

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



APP-KPR



TK-KPR-S16

Slim Interface Relays Specifications

Slim Interface Relays Specifications						
Part Numbers	<u>KPR-SCF-230VAC-1</u>	<u>KPR-SCF-115VACDC-1</u>	<u>KPR-SCE-12VACDC-1</u>	<u>KPR-SCE-24VACDC-1</u>	<u>KPR-SCE-230VACDC-1</u>	
Input Specifications						
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)					
Maximum 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 N.O. operations 1x10 ⁴ N.C. 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 to +85°C [-40 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					

* To obtain the most current agency approval information, see the Agency Compliance & Certifications Checklist section on the specific part number's web page.

Slim Interface Relays Wiring Diagram

Wiring Diagram

