Klemsan®

Slim Interface Relays

Overview

Klemsan Slim Interface Relays are highly compact and lightweight relays, which are especially useful where cabinet space is a consideration. Encased in a self-extinguishing plastic housing, these high quality relays offer a long useful life. These relays are 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 6.2mm 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-SCL-115VACDC-1

Slim Interface Relays

Part Number	Price	Description	Coil Voltage	Relay Configuration	Contact Rating	Integrated RCZ Filter	Output Type	Color	Drawing Link
KPR-SCL-230VAC-1	$11.00	Interface relay with LED indicators	230 VAC	SPDT	6A	Yes	(1) N.O., (1) N.C.	Black	PDF
KPR-SCL-115VACDC-1	$11.00		115 VAC/VDC			Yes			PDF
KPR-SCS-12VACDC-1	$9.50		12 VAC/VDC			No			PDF
KPR-SCS-24VACDC-1	$9.50		24 VAC/VDC			No			PDF
KPR-SCS-230VACDC-1	$11.00		230 VAC/VDC			No			PDF

Slim Interface Relays Accessories

Part Number	Price	Description	Quantity	Drawing Link
APP-KPR	$4.75	Orange polyamide separator plate	5	PDF
TK-KPR-S16	$15.50	16-pole push-in type interface relay jumper	5	PDF
TK-KPR-S8	$9.50	8-pole push-in type interface relay jumper	5	PDF

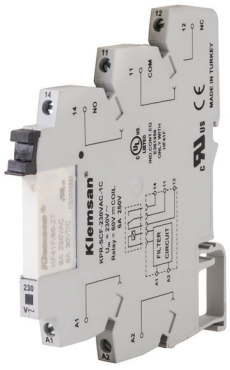
Note: Relay jumpers can be cut to match the number of relays when less than 8 or 16 count.



APP-KPR



TK-KPR-S16



KPR-SCF-230VAC-1

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Slim Interface Relays

Specifications

Part Numbers		KPR-SCF-230VAC-1 KPR-SCL-230VAC-1	KPR-SCF-115VACDC-1 KPR-SCL-115VACDC-1	KPR-SCE-12VACDC-1 KPR-SCS-12VACDC-1	KPR-SCE-24VACDC-1 KPR-SCS-24VACDC-1	KPR-SCE-230VACDC-1 KPR-SCS-230VACDC-1
Input Specifications						
Nominal Voltage		230 VAC	115 VAC/VDC	12 VAC/VDC	24 VAC/VDC	230 VAC/VDC
Operating Voltage Range		196–265 VAC	98–132 VAC/VDC	10–14 VAC/VDC	20–28 VAC/VDC	196–265 VAC/VDC
Release Voltage		92 VAC	46 VAC/VDC	5 VAC/VDC	10 VAC/VDC	92 VAC/VDC
Power Consumption	AC	<0.9 VA	<0.7 VA	<0.35 VA	<0.2 VA	<1.3 VA
	DC	n/a	<0.6W	<0.35W	<0.2W	<1.2W
Contact Specifications						
Material		Silver Tin Oxide (AqSn02)				
Operate Time		10 ms maximum				
Release Time		5 ms maximum				
Maximum Wire Size		$2.5mm^2$ [14 AWG]				
Maximum Ratings	AC	6 A / 250 VAC, 1500 VA				
	DC	6 A / 30 VDC; 180W				
Minimum Load		6 VDC 0.1A				
Mechanical Life Time		10^7 operations				
Electrical Life Time Operations		$3x10^4$ N.O. operations $1x10^4$ N.C. operations				
Wiping Current		10 VDC 10 mA, 50 cycles 15-20 Hz				
General Specifications						
Isolation Resistance		1000 MΩ (500 VDC)				
Dielectric Strength		Between relay coil and contacts: 4000 VAC for 1 minute Between contacts: 1000 VAC 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				
Connection		Screw terminal				
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		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

