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	
KPR-SCF-230VAC-1	\$-44i9:	Interface relay with LED indicators	230VAC	SPDT	6A	Yes	<u>PDF</u>	
KPR-SCF-115VACDC-1	\$-44ia:		115V AC/DC			Yes	<u>PDF</u>	
KPR-SCE-12VACDC-1	\$-44ib:		12V AC/DC			No	<u>PDF</u>	
KPR-SCE-24VACDC-1	\$-44ic:		24V AC/DC			No	<u>PDF</u>	
KPR-SCE-230VACDC-1	\$-44id:		230V AC/DC			No	<u>PDF</u>	

Slim Interface Relays Accessories						
Part Number	Price	Description	Quantity	Drawing Link		
APP-KPR	\$-44ie:	Orange polyamide separator plate	5	<u>PDF</u>		
TK-KPR-S16	\$;-44if:	16-pole push-in type interface relay jumper	5	<u>PDF</u>		
TK-KPR-S8	\$-44ig:	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.





TK-KPR-S16

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Slim Interface Relays Specifications

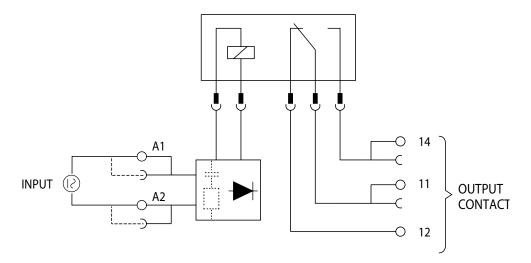
Slim Interface Relays Specifications								
Part Numbers		KPR-SCF-230VAC-1	KPR-SCF-115VACDC-1	KPR-SCE-12VACDC-1	KPR-SCE-24VACDC-1	KPR-SCE-230VACDC-1		
Input Specifications								
Nominal Voltage		230VAC	115V AC/DC	12V AC/DC	24V AC/DC	230V AC/DC		
Operating voltage range		196-265 VAC	98-132V AC/DC	10-14V 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								
Туре		1 SPDT						
Material		Silver Tin Oxide (AqSn02)						
Operate time		10ms maximum						
Release time		5ms maximum						
Max Wire Size		2.5 mm² (14AWG)						
	AC	6A/250VAC, 1500VA						
Maximum ratings	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.

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Slim Interface Relays Wiring Diagram

Wiring Diagram



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