

Relay connectors - ST-REL3-KG230/21/SO46 - 2832027

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Plug-in relay interface for protection against interference on the control side, with soldered-in miniature switching relay, contacts (AgNi): Medium to large loads, 1 PDT, 230 V AC input voltage

Why buy this product

- ☒ Use of AC output cards, resulting in residual AC currents
- ☒ Resistant to interference currents
- ☒ High relay release voltage
- ☒ Applications with long control lines

RoHS

Key Commercial Data

Packing unit	1 STK
Custom tariff number	85364900
Country of origin	Germany

Technical data

Dimensions

Width	20.8 mm
Height	42.5 mm
Depth	112 mm

Ambient conditions

Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

Coil side

Nominal input voltage U_N	230 V AC
Input voltage range in reference to U_N	0.9 ... 1.1

Relay connectors - ST-REL3-KG230/21/SO46 - 2832027

Technical data

Coil side

Typical input current at U_N	18 mA AC
Typical response time	10 ms
Typical release time	8 ms
Protective circuit	Bridge rectifier Bridge rectifier
	Surge protection Varistor
	RC element RC element
Operating voltage display	Yellow LED

Contact side

Contact type	Single contact, 1-PDT
Type of switch contact	Single contact
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Maximum inrush current	8 A
Limiting continuous current	6 A
Interrupting rating (ohmic load) max.	95 W (at 24 V DC)
	50 W (at 48 V DC)
	45 W (at 60 V DC)
	35 W (at 110 V DC)
	55 W (at 220 V DC)
	2000 VA (for 250 V AC)

General

Test voltage relay winding/relay contact	2.5 kV AC (50 Hz, 1 min.)
Mechanical service life	Approx. 2×10^7 cycles
Standards/regulations	IEC 60664
	EN 50178
	IEC 62103
Rated surge voltage/insulation	Basic insulation
Degree of pollution	2
Overvoltage category	III
Mounting position	any

Standards and Regulations

Standards/regulations	IEC 60664
	EN 50178
	IEC 62103
Rated surge voltage/insulation	Basic insulation
Degree of pollution	2

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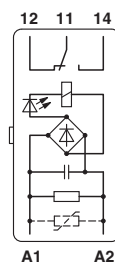
Technical data

Standards and Regulations

Overvoltage category	III
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Drawings

Circuit diagram



Classifications

eCl@ss

eCl@ss 4.0	27371104
eCl@ss 4.1	27371104
eCl@ss 5.0	27371601
eCl@ss 5.1	27371601
eCl@ss 6.0	27371601
eCl@ss 7.0	27371601
eCl@ss 8.0	27371601
eCl@ss 9.0	27371601

ETIM

ETIM 2.0	EC001437
ETIM 3.0	EC001437
ETIM 4.0	EC001437
ETIM 5.0	EC001437

UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121515
UNSPSC 11	39121515
UNSPSC 12.01	39121515
UNSPSC 13.2	39121515

Relay connectors - ST-REL3-KG230/21/SO46 - 2832027

Approvals

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EAC

Ex Approvals

Approval details

EAC 7500651.22.01.00244

Accessories

Additional products

Basic terminal block - URELG 3-PMTK - 2820709



Basic termination blocks with test connection on both sides and knife disconnection for NS 32 and NS 35/7.5 DIN rail, with end cover, for ST-REL..., ST-OV... and ST-OE... plugs, 3-pos.

Basic terminal block - UDK-RELG 3 - 2777043



Basic termination blocks with test connection on both sides and double connections with the same potential for NS 32 and NS 35/7.5 DIN rail, with end cover, for ST-REL..., ST-OV... and ST-OE... plugs, 3-pos.

Basic terminal block - URELG 3 - 2820136



Basic termination blocks with screw connection for NS 32 and NS 35/7.5 DIN rail, with end cover, for ST-REL..., ST-OV... and ST-OE... plugs, 3-pos.

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Accessories

Basic terminal block - ZFK-RELG 3 - 2829917



Basic termination blocks with spring-cage connection for NS 35/7.5 DIN rail, with end cover, for ST-REL..., ST-OV... and ST-OE... plugs, 3-pos.