

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

Product Features

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

Key commercial data

package_quantity	10
GTIN	4017918078577

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

Contact side

Contact type	Single contact, 1-PDT
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Technical data

Contact side

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)
Interrupting rating (ohmic load) max.	50 W (at 48 V DC)
Interrupting rating (ohmic load) max.	45 W (at 60 V DC)
Interrupting rating (ohmic load) max.	35 W (at 110 V DC)
Interrupting rating (ohmic load) max.	55 W (at 220 V DC)
Interrupting rating (ohmic load) max.	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
Standards/regulations	EN 50178
Standards/regulations	IEC 62103
Rated surge voltage / insulation	Basic insulation
Pollution degree	2
Surge voltage category	III
Mounting position	Any

classifications

eCl@ss

eCl@ss 4.0	27371104
eCl@ss 4.1	27371104
eCl@ss 5.0	27371001
eCl@ss 5.1	27371001
eCl@ss 6.0	27371001
eCl@ss 7.0	27371001
eCl@ss 8.0	27371001

ETIM

ETIM 2.0	EC000196
ETIM 3.0	EC000196
ETIM 4.0	EC000196
ETIM 5.0	EC000196

UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121515
UNSPSC 11	39121515

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classifications

UNSPSC

UNSPSC 12.01	39121515
UNSPSC 13.2	39121515

approvals

GOST / GOST /

Approval details



Drawings

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Circuit diagram

