

Relay connectors - ST-REL4-KG 24/21-21/AU - 2829551

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Relay connector, fitted with miniature switching relay, contacts (AgNi+Au): Small to large loads, 2 PDT, 24 V AC/DC input voltage, with light indicator, can be plugged into basic terminal blocks

Key commercial data

package_quantity	10
GTIN	4017918078508

Technical data

Dimensions

Width	27 mm
Height	33 mm
Depth	66.5 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	24 V AC/DC
Input voltage range in reference to U_N	0.8 ... 1.1
Nominal input current at U_{IN}	19 mA
Typical response time	9 ms (with DC)
Typical release time	10 ms (with DC)
Operating voltage display	Yes
Protective circuit	Bridge rectifier, varistor

Contact side

Contact type	Single contact, 2-PDT
Contact material	Hard gold plated AgNi
Maximum switching voltage	30 V AC/DC
Maximum inrush current	50 mA
Limiting continuous current	50 mA
Interrupting rating (ohmic load) max.	1.2 W (at 24 V DC)
Note	the following values are applicable if a gold layer is destroyed
Maximum switching voltage	250 V AC/DC

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Contact side

Limiting continuous current	3 A
Maximum inrush current	5 A
Interrupting rating (ohmic load) max.	70 W (at 24 V DC)
Interrupting rating (ohmic load) max.	85 W (at 48 V DC)
Interrupting rating (ohmic load) max.	60 W (at 60 V DC)
Interrupting rating (ohmic load) max.	40 W (at 110 V DC)
Interrupting rating (ohmic load) max.	60 W (at 220 V DC)
Interrupting rating (ohmic load) max.	750 VA (for 250 V AC)

General

Test voltage relay winding/relay contact	2.5 kV AC (50 Hz, 1 min.)
Test voltage PDT/PDT	1 kV AC (50 Hz, 1 min.)
Operating mode	100% operating factor
Mechanical service life	Approx. 2×10^7 cycles
Standards/regulations	DIN VDE 0110b, Gr. C for 250 V DC
Standards/regulations	IEC 60255/DIN VDE 0435 (in relevant parts)
Standards/regulations	DIN EN 50178/DIN VDE 0160 (in relevant parts)
Standards/regulations	EN 60730/DIN VDE 0631
Standards/regulations	DIN VDE 0160 (in relevant parts)

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

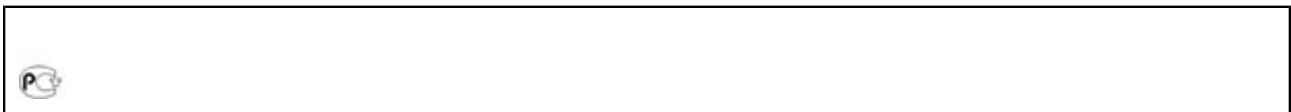
UNSPSC 6.01	30211916
UNSPSC 7.0901	39121515
UNSPSC 11	39121515
UNSPSC 12.01	39121515
UNSPSC 13.2	39121515

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approvals

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Approval details



Drawings

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Circuit diagram

