

Relay connectors - ST-REL3-SG-B 24/21/M - 2898155


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Relay plug, fitted with latching miniature switching relay, contacts (AgSnO): small to large loads, 1 PDT, 24 V DC input voltage, with protection against polarity reversal and freewheeling diode, negative switching

RoHS

Key Commercial Data

Packing unit	10 pc
GTIN	 4 017918 078782
GTIN	4017918078782
Weight per Piece (excluding packing)	34.130 g
Custom tariff number	85364190
Country of origin	Germany
Note	Made to Order (non-returnable)

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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Dimensions

Width	20.8 mm
Height	33 mm
Depth	66.5 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C

Coil side

Nominal input voltage U_N	24 V DC
Input voltage range in reference to U_N	0.8 ... 1.1

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Coil side

Typical input current at U_N	typ. 8 mA
Typical response time	5 ms
Typical release time	5 ms
Coil voltage	24 V DC
Protective circuit	Free-wheeling diode Damping diode
	Reverse polarity protection Polarity protection diode
Pulse time range	30 ms ... 5 s
Power dissipation for nominal condition	0.19 W

Contact side

Contact type	Single contact, 1-PDT
Type of switch contact	Single contact
Contact material	AgSnO
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	5 V (At 5 V)
	24 V (at 24 V)
Min. switching current	1 mA (at 24 V)
	100 mA (At 5 V)
Maximum inrush current	8 A
Limiting continuous current	6 A
Interrupting rating (ohmic load) max.	144 W (at 24 V DC)
	43 W (at 48 V DC)
	42 W (at 60 V DC)
	55 W (at 110 V DC)
	100 W (at 220 V DC)
	1500 VA (for 250 V AC)

General

Test voltage relay winding/relay contact	2 kV _{rms} (50 Hz, 1 min.)
Operating mode	100% operating factor
Mechanical service life	approx. 10 ⁷ cycles
Mounting position	any
Assembly instructions	In rows with zero spacing

Standards and Regulations

Designation	Air clearances and creepage distances between the power circuits
Standards/regulations	DIN EN 50178
Rated insulation voltage	250 V AC
Rated surge voltage	2.5 kV
Insulation	Basic insulation
Pollution degree	2
Overvoltage category	II