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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, positive switching

The illustration shows version ST-REL3-SG-B 24/21/M



Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	34.0 g
Custom tariff number	85364190
Country of origin	Germany

Technical data

Note

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

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
Typical input current at U _N	typ. 8 mA



Technical data

Coil side

Typical response time	5 ms
Typical release time	5 ms
Coil voltage	24 V DC
Protective circuit	Free-wheeling diode Damping diode
	Protection against polarity reversal 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
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)
Limiting continuous current	6 A
Interrupting rating (ohmic load) max.	120 W (at 24 V DC)
	40 W (at 48 V DC)
	35 W (at 60 V DC)
	30 W (at 110 V DC)
	60 W (at 220 V DC)

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
Standards/regulations	IEC 60664
	IEC 60664A
	DIN VDE 0110



Technical data

General

DIN VDE 0109-11, draft
DIN EN 50178/DIN VDE 0160 (in relevant parts)
2
II
EN 50178
IEC 62103
Air clearances and creepage distances between the power circuits
DIN EN 50178
any
In rows with zero spacing

Standards and Regulations

Standards/regulations	EN 50178
	IEC 62103
Designation	Air clearances and creepage distances between the power circuits
Standards/regulations	DIN EN 50178
Insulation	Basic insulation
Standards/regulations	IEC 60664
	IEC 60664A
	DIN VDE 0110
	DIN VDE 0109-11, draft
	DIN EN 50178/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 8.0	27371601
eCl@ss 9.0	27371601

ETIM

ETIM 2.0	EC000196
ETIM 3.0	EC000196
ETIM 4.0	EC000196



Classifications

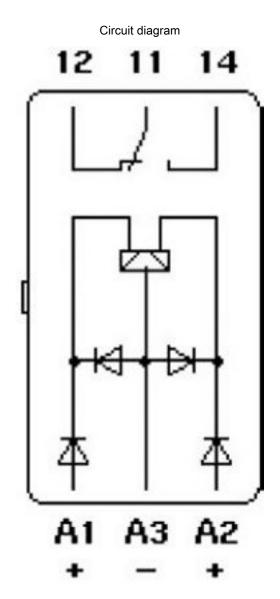
ETHM			
ETIM 5.0	EC001437		
UNSPSC			
UNSPSC 6.01	30211916		
UNSPSC 7.0901	39121515		
UNSPSC 11	39121515		
UNSPSC 12.01	39121515		
UNSPSC 13.2	39121515		
Approvals			
Approvals			
Approvals			
EAC			
Ex Approvals			
Approvals submitted			

Approval details

Drawings

EAC





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