



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Relay connectors - ST-REL3-KG120/21/SO46 - 2833026

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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, 120 V AC input voltage

The illustration shows version ST-REL 3-KG 24/21/SO 46

Why buy this product

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

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	120 V AC
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Technical data

Coil side

Input voltage range in reference to U_N	0.85 ... 1.1
Typical input current at U_N	19 mA
Typical response time	8 ms
Typical release time	11 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

Relay connectors - ST-REL3-KG120/21/SO46 - 2833026

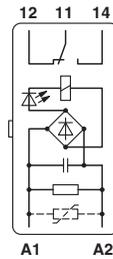
Technical data

Standards and Regulations

Degree of pollution	2
Overvoltage category	III

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-KG120/21/SO46 - 2833026

Approvals

Approvals

Approvals

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.

Relay connectors - ST-REL3-KG120/21/SO46 - 2833026

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.