chanhvinh.com

ST-REL3-KG230/21/SO46 - Relay connectors

2832027

https://www.phoenixcontact.com/gb/products/2832027

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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 changeover contact, input voltage 230 V AC

Your advantages

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

Commercial data

Item number	2832027
Packing unit	10 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	DK61B2
Product key	DK61B2
Catalog page	Page 446 (C-5-2019)
GTIN	4017918078577
Weight per piece (including packing)	41.64 g
Weight per piece (excluding packing)	41.4 g
Customs tariff number	85364900
Country of origin	DE

chanhvinh.com

ST-REL3-KG230/21/SO46 - Relay connectors

2832027

https://www.phoenixcontact.com/gb/products/2832027

Technical data

Product properties

Product type	Relay Module
Mechanical service life	approx. 2x 10^7 cycles

Insulation characteristics

Insulation	Basic insulation
Overvoltage category	III
Pollution degree	2

Data management status

Date of last data management	19.03.2025

Electrical properties

Maximum power dissipation for nominal condition	4.14 W
Test voltage (Winding/contact)	2.5 kV AC (50 Hz, 1 min., winding/contact)

Input data

Coil side

Nominal input voltage U_N	230 V AC
Input voltage range	207 V AC ... 253 V AC (20 °C)
Drive and function	monostable
Drive (polarity)	polarized
Typical input current at U_N	18 mA AC
Typical response time	10 ms
Typical release time	8 ms
Protective circuit	Bridge rectifier; Bridge rectifier
	Surge protection; Varistor
	RC element; RC element
Operating voltage display	Yellow LED

Output data

Switching

Contact switching type	1 changeover contact
Type of switch contact	Single contact
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Limiting continuous current	6 A
Maximum inrush current	8 A
Interrupting rating (ohmic load) max.	95 W (at 24 V DC)
	50 W (at 48 V DC)
	45 W (at 60 V DC)

chanhvinh.com

ST-REL3-KG230/21/SO46 - Relay connectors

2832027

https://www.phoenixcontact.com/gb/products/2832027

	35 W (at 110 V DC)
	55 W (at 220 V DC)
	2000 VA (for 250 V AC)

Dimensions

Width	20.8 mm
Height	42.5 mm
Depth	112 mm

Material specifications

Color	green (RAL 6021)

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

Standards and regulations

Standards/regulations	IEC 60664
	EN 50178

Mounting

Mounting type	Plug-in mounting
Mounting position	any

chanhvinh.com

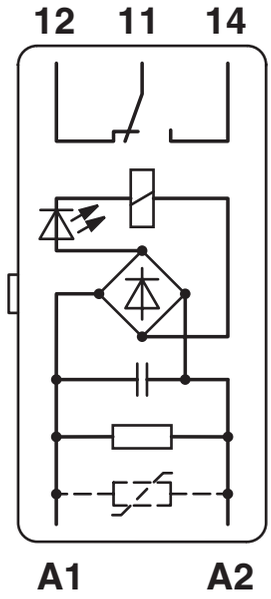
ST-REL3-KG230/21/SO46 - Relay connectors

2832027

https://www.phoenixcontact.com/gb/products/2832027

Drawings

Circuit diagram



chanhvinh.com

ST-REL3-KG230/21/SO46 - Relay connectors

2832027

https://www.phoenixcontact.com/gb/products/2832027

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/gb/products/2832027

EAC
Approval ID: RU*C-DE.*08.B.00010

chanhvinh.com

ST-REL3-KG230/21/SO46 - Relay connectors

2832027

https://www.phoenixcontact.com/gb/products/2832027

Classifications

ECLASS

ECLASS-13.0	27371601

ETIM

ETIM 9.0	EC001437

UNSPSC

UNSPSC 21.0	39122300

chanhvinh.com

ST-REL3-KG230/21/SO46 - Relay connectors

2832027

https://www.phoenixcontact.com/gb/products/2832027

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Hexahydromethylphthalic anhydride(CAS: n/a)
	Lead(CAS: 7439-92-1)
SCIP	67ca5023-eb1a-4875-923c-2e84b2cfd65b

Phoenix Contact 2025 © - all rights reserved
https://www.phoenixcontact.com

PHOENIX CONTACT Ltd
Halesfield 13, Telford
Shropshire, TF7 4PG
01952 681700
info@phoenixcontact.co.uk