Relay Module - EMG 22-REL/KSR-230/21/AU - 2949295

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's documentation. Our General Terms of Use for Downloads are valid (http://phoenixcontact.com/download)



Relay module, with soldered-in miniature switching relay, contact (AgNi+Au): Small to large loads, 1 PDT, 230 V AC/DC input voltage

Your advantages

- Safe isolation according to DIN EN 50178 between coil and contact
- Integrated input circuit and interference suppression circuit

Key Commercial Data

Packing unit	10 pc
GTIN	4 017918 083755
GTIN	4017918083755
Weight per Piece (excluding packing)	64.500 g
Custom tariff number	85364900
Country of origin	Germany

Technical data

Note

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

Dimensions

Width	22.5 mm
Height	75 mm
Depth	62.5 mm

Ambient conditions

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

Coil side

Relay Module - EMG 22-REL/KSR-230/21/AU - 2949295

Technical data

Coil side

Nominal input voltage U_N	230 V AC/DC
Input voltage range in reference to U_N	0.9 ... 1.06
Typical input current at U_N	5 mA
Typical response time	8 ms
Typical release time	10 ms
Protective circuit	Bridge rectifier Bridge rectifier
	Varistor Varistor
Operating voltage display	Yellow LED
Power dissipation for nominal condition	1.15 W

Contact side

Contact type	Single contact, 1-PDT
Type of switch contact	Single contact
Contact material	AgNi, hard gold-plated
Maximum switching voltage	30 V AC
	36 V DC
Maximum inrush current	50 mA
Limiting continuous current	50 mA
Interrupting rating (ohmic load) max.	1.2 W (at 24 V DC)

Contact side (with destroyed gold layer)

Note	the following values are applicable if a gold layer is destroyed
Maximum switching voltage	250 V AC/DC
Limiting continuous current	6 A
Maximum inrush current	8 A
Interrupting rating (ohmic load) max.	144 W (at 24 V DC)
	58 W (at 48 V DC)
	48 W (at 60 V DC)
	50 W (at 110 V DC)
	80 W (at 220 V DC)
	1500 VA (for 250 V AC)

General

Test voltage relay winding/relay contact	5 kV_{rms} (50 Hz, 1 min.)
Operating mode	100% operating factor
Degree of protection	IP20
Mechanical service life	approx. 5x 10^7 cycles
Mounting position	any
Assembly instructions	In rows with zero spacing

Connection data input side

Connection name	Coil side
Connection method	Screw connection

Relay Module - EMG 22-REL/KSR-230/21/AU - 2949295

Technical data

Connection data input side

Stripping length	8 mm
Screw thread	M3
Conductor cross section solid	0.2 mm² ... 4 mm²
Conductor cross section flexible	0.2 mm² ... 2.5 mm²
Conductor cross section AWG	24 ... 12

Connection data output side

Connection name	Contact side
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section solid	0.2 mm² ... 4 mm²
Conductor cross section flexible	0.2 mm² ... 2.5 mm²
Conductor cross section AWG	24 ... 12

Standards and Regulations

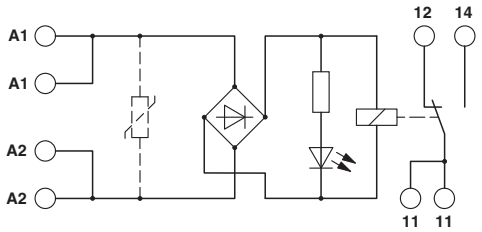
Standards/regulations	EN 50178
Rated insulation voltage	260 V AC
Rated surge voltage	4 kV
Insulation	Basic insulation
	Safe isolation, reinforced insulation, and 6 kV between input circuit and output contact current paths
Degree of pollution	2
Overvoltage category	III

Environmental Product Compliance

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab “Downloads”, Category “Manufacturer's declaration”

Drawings

Circuit diagram



Relay Module - EMG 22-REL/KSR-230/21/AU - 2949295

Classifications

eCl@ss

eCl@ss 5.0	27371601
eCl@ss 5.1	27371600
eCl@ss 6.0	27371600
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
ETIM 6.0	EC001437

UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121515
UNSPSC 11	39121515
UNSPSC 12.01	39121515
UNSPSC 13.2	39122334

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC	EAC	RU C-DE.A*30.B.01082

Phoenix Contact 2019 © - all rights reserved
http://www.phoenixcontact.com