

EMG 22-REL/KSR-G 24/TRN24/SO62 - Relay module



2944407

<https://www.phoenixcontact.com/us/products/2944407>

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.



Relay module, with miniature switching relay, with integrated n-p-n transistor control, for low control currents, contact (AgNi 90/10): Medium to large loads, two N/O contacts, nominal control voltage 24 V DC

Commercial data

Item number	2944407
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	C460
Product key	DK61Y1
GTIN	4017918278922
Weight per piece (including packing)	83.555 g
Weight per piece (excluding packing)	83.55 g
Customs tariff number	85364190
Country of origin	DE

Technical data

Notes

Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area
----------	---

Product properties

Product type	Relay Module
Mechanical service life	3x 10 ⁷ cycles

Insulation characteristics: Air clearances and creepage distances, input/output

Insulation	Reinforced insulation
Overvoltage category	III
Pollution degree	2

Insulation characteristics: Air and creepage distances, output/output

Insulation	Functional insulation
------------	-----------------------

Data management status

Date of last data management	19.03.2025
------------------------------	------------

Electrical properties

Maximum power dissipation for nominal condition	0.6 W
---	-------

Air clearances and creepage distances, input/output

Rated insulation voltage	260 V
Rated surge voltage	6 kV (1.2/50 µs)

Air and creepage distances, output/output

Rated insulation voltage	260 V
Rated surge voltage	2.2 kV (1.2/50 µs)

Input data

Coil side

Nominal input voltage U _N	24 V DC
Input voltage range	19.2 V DC ... 26.4 V DC (20 °C)
Typical input current at U _N	17 mA
Typical response time	12 ms
Typical release time	7 ms
Protective circuit	Reverse polarity protection; Polarity protection diode Freewheeling diode; Freewheeling diode
Operating voltage display	Yellow LED

Output data

EMG 22-REL/KSR-G 24/TRN24/SO62 - Relay module



2944407

<https://www.phoenixcontact.com/us/products/2944407>

Switching

Contact switching type	Single contact, 2 N/O contact
Type of switch contact	Single contact
Contact material	AgNi
Maximum switching voltage	250 V AC
Limiting continuous current	4 A
Interrupting rating (ohmic load) max.	96 W (at 24 V DC)
	85 W (at 48 V DC)
	60 W (at 60 V DC)
	44 W (at 110 V DC)
	57 W (at 220 V DC)
	1000 VA (for 250 V AC)

Connection data

Coil side

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross-section rigid	0.2 mm ² ... 4 mm ²
Conductor cross-section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross-section AWG	24 ... 12

Contact side

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross-section rigid	0.2 mm ² ... 4 mm ²
Conductor cross-section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross-section AWG	24 ... 12

Dimensions

Width	22.5 mm
Height	75 mm
Depth	100 mm

Material specifications

Color	green (RAL 6021)
-------	------------------

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Degree of protection (Installation location)	≥ IP54 (Installation location)
Ambient temperature (operation)	-20 °C ... 50 °C

EMG 22-REL/KSR-G 24/TRN24/SO62 - Relay module



2944407

<https://www.phoenixcontact.com/us/products/2944407>

Altitude	≤ 2000 m
----------	----------

Standards and regulations

Air clearances and creepage distances, input/output

Standards/regulations	DIN EN 50178: 1998-04
-----------------------	-----------------------

Air and creepage distances, output/output

Standards/regulations	DIN EN 50178: 1998-04
-----------------------	-----------------------

Mounting

Mounting type	DIN rail mounting
Mounting position	any

EMG 22-REL/KSR-G 24/TRN24/SO62 - Relay module



2944407

<https://www.phoenixcontact.com/us/products/2944407>

Approvals

📄 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2944407>



EAC

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

EMG 22-REL/KSR-G 24/TRN24/SO62 - Relay module



2944407

<https://www.phoenixcontact.com/us/products/2944407>

Classifications

ECLASS

ECLASS-13.0	27371601
ECLASS-15.0	27371601

ETIM

ETIM 9.0	EC001437
----------	----------

UNSPSC

UNSPSC 21.0	39122300
-------------	----------

2944407

<https://www.phoenixcontact.com/us/products/2944407>

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 7(a)

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.)	Lead(CAS: n/a)
SCIP	bfe9e03-15f1-4977-a0ce-57602de6366b

Phoenix Contact 2025 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com