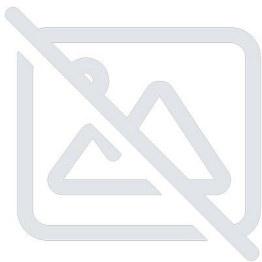


2947718
<https://www.phoenixcontact.com/be/products/2947718>

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Relay module, with soldered-in miniature switching relay, contact (AgNi+Au): small to large loads, 2 changeover contacts, input voltage 24 V AC/DC

Commercial data

Item number	2947718
Packing unit	10 pc
Minimum order quantity	1 pc
Sales key	CK6146
Product key	CK6146
GTIN	4017918082833
Weight per piece (including packing)	61,95 g
Weight per piece (excluding packing)	55,4 g
Customs tariff number	85364190
Country of origin	DE

EMG 22-REL/KSR- 24/21-21AU - Relay Module



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Technical data

Notes

Utilization restriction

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

Product type	Relay Module
Operating mode	100% operating factor
Mechanical service life	approx. 5×10^7 cycles

Electrical properties

Maximum power dissipation for nominal condition	0.43 W
Test voltage (Winding/contact)	2.5 kV AC (50 Hz, 1 min., winding/contact)
Test voltage (Contact/contact)	1 kV AC (50 Hz, 1 min., contact/contact)

Input data

Coil side

Nominal input voltage U_N	24 V AC/DC
Input voltage range	21.6 V AC/DC ... 26.4 V AC/DC (20 °C)
Drive and function	monostable
Drive (polarity)	polarized
Typical input current at U_N	18 mA
Typical response time	8 ms
Typical release time	10 ms
Protective circuit	Bridge rectifier; Bridge rectifier
Operating voltage display	Yellow LED

Output data

Switching

Contact switching type	2 changeover contacts
Type of switch contact	Single contact
Contact material	AgNi, hard gold-plated
Maximum switching voltage	24 V AC/DC
Limiting continuous current	50 mA
Maximum inrush current	50 mA
Interrupting rating (ohmic load) max.	1.2 W (at 24 V DC)

Switching: when the gold layer is destroyed

Note	the following values are applicable if a gold layer is destroyed
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Maximum switching voltage	250 V AC/DC
Limiting continuous current	3 A
Maximum inrush current	5 A
Interrupting rating (ohmic load) max.	70 W (at 24 V DC)
	85 W (at 48 V DC)
	60 W (at 60 V DC)
	40 W (at 110 V DC)
	60 W (at 220 V DC)
	750 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	17.5 mm
Height	75 mm
Depth	62.5 mm

Material specifications

Color	green (RAL 6021)
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Environmental and real-life conditions

Ambient conditions

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

Mounting

Mounting type	DIN rail mounting
Mounting position	any

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Approvals

 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/be/products/2947718>



EAC

Approval ID: TR_TS_D_00573_c



EAC

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

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Classifications

ECLASS

ECLASS-11.0	27371601
ECLASS-12.0	27371601
ECLASS-13.0	27371601

ETIM

ETIM 8.0	EC001437
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UNSPSC

UNSPSC 21.0	39122300
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Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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PHOENIX CONTACT nv/sa
Minervastraat 10-12
1930 Zaventem-Keiberg II
+32 (0)2/723 98 11
info@phoenixcontact.be