

2944795

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Relay module, with soldered-in miniature switching relay, contact (AgNi): medium to large loads, 2 changeover contacts, input voltage 230 V AC/DC

Commercial data

Item number	2944795
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	CK6145
Product key	CK6145
GTIN	4017918081713
Weight per piece (including packing)	61.33 g
Weight per piece (excluding packing)	63.25 g
Customs tariff number	85364900
Country of origin	DE

EMG 22-REL/KSR-W230/21-21 - Relay Module



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Technical data

Notes

General	At least one functional insulation against adjacent modules is complied with in the support rail direction. If the application has higher requirements on the insulation (basic or reinforced insulation), then these must be realized through suitable measures (e. g., partition plates).
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	1x 10 ⁷ cycles, approximately

Electrical properties

Maximum power dissipation for nominal condition	1.15 W
Test voltage (Winding/contact)	2.5 kV _{rms} (50 Hz, 1 min., winding/contact)
Test voltage (Changeover contact/changeover contact)	1 V _{rms} (50 Hz, 1 min., changeover contact/changeover contact)
Air clearances and creepage distances between the power circuits	
Rated insulation voltage	250 V AC

Input data

Coil side

Nominal input voltage U _N	230 V AC
Input voltage range	195.5 V AC ... 253 V AC (20 °C)
Mains frequency	50 Hz
Drive and function	monostable
Drive (polarity)	polarized
Typical input current at U _N	3.5 mA
Typical response time	4 ms ... 15 ms
Typical release time range	4 ms ... 15 ms
Protective circuit	Varistor
Status display	Glow lamp

Output data

Switching

Contact switching type	2 changeover contacts
Type of switch contact	Single contact
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	5 V (10 mA)

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Limiting continuous current	5 A
Interrupting rating (ohmic load) max.	70 W (24 V DC)
	40 W (48 V DC)
	35 W (60 V DC)
	30 W (110 V DC)
	55 W (220 V DC)
	750 VA (250 V AC)

Connection data

Connection method	Screw connection
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Dimensions

Width	22.5 mm
Height	79.4 mm
Depth	60.2 mm

Material specifications

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

Ambient conditions

Degree of protection (Relay)	RT III (Relay)
Degree of protection (Installation location)	≥ IP54 (Installation location)
Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Altitude	≤ 2000 m

Standards and regulations

Standards/regulations	EN 50178
	EN 61810-1

Air clearances and creepage distances between the power circuits

Standards/regulations	DIN EN 50178
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Mounting

Mounting type	DIN rail mounting
Assembly instructions	in rows with zero spacing
Mounting position	any

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Approvals

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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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