

EMG 17-REL/SDS- 24/21-21/SO 95 - Relay Module



2940854

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Customer-specific relay module, 2 changeover contacts, input voltage 24 V AC/DC

Commercial data

Item number	2940854
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C460
Product key	CK614Y
GTIN	4017918341862
Weight per piece (including packing)	51.77 g
Weight per piece (excluding packing)	51.77 g
Customs tariff number	85364190
Country of origin	DE

Technical data

Product properties

Product type	Relay Module
Mechanical service life	1x 10 ⁸ switching cycles

Insulation characteristics

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

Insulation	Basic insulation
Overvoltage category	III
Pollution degree	2

Insulation characteristics: Air and creepage distances, output/output

Insulation	Functional insulation
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Electrical properties

Air clearances and creepage distances, input/output

Rated insulation voltage	260 V
Rated surge voltage	4 kV (1.2/50 µs)

Air and creepage distances, output/output

Rated insulation voltage	230 V
Rated surge voltage	2.1 kV (1.2/50 µs)

Input data

Coil side

Nominal input voltage U _N	24 V AC/DC
Input voltage range	20.4 V AC/DC ... 26.4 V AC/DC (20 °C)
Typical input current at U _N	11 mA
Typical response time	8 ms
Typical release time	5 ms
Protective circuit	Bridge rectifier; Bridge rectifier
Operating voltage display	Yellow LED

Output data

Switching

Contact switching type	Double contact, 2 changeover contacts
Type of switch contact	Double contact
Contact material	AgNi
Maximum switching voltage	230 V AC/DC
Limiting continuous current	3 A

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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	47.5 mm

Material specifications

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

Ambient conditions

Degree of protection	IP00
Degree of protection (Installation location)	≥ IP54 (Installation location)
Ambient temperature (operation)	-20 °C ... 40 °C
Altitude	≤ 2000 m

Standards and regulations

Air clearances and creepage distances, input/output

Standards/regulations	DIN EN 50178: 1998-04
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Air and creepage distances, output/output

Standards/regulations	DIN EN 50178: 1998-04
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Mounting

Mounting type	DIN rail mounting
Mounting position	any

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Classifications

ECLASS

ECLASS-11.0	27371601
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ETIM

ETIM 8.0	EC001437
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UNSPSC

UNSPSC 21.0	39122300
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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes
Exemption	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: 7439-92-1)