

# 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	DK61Y1
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

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## Technical data

### Product properties

Product type	Relay Module
Mechanical service life	1x 10 <sup>8</sup> switching cycles

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
Overvoltage category	II
Degree of pollution	2

Data management status

Date of last data management	12.09.2025
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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

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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 <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross-section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section AWG	24 ... 12

### Contact side

Connection method	Screw connection
Stripping length	8 mm
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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

### 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)
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