

# EMG 45-RELS/IR1-G 24 - Relay base



2950996

<https://www.phoenixcontact.com/us/products/2950996>

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 1 plug-in base for industrial relays size 1, contact: 4 changeover contacts, input voltage 24-48 V DC, with LED display, freewheeling and polarity protection diode

## Commercial data

Item number	2950996
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C460
Product key	DK61C3
GTIN	4017918084165
Weight per piece (including packing)	99.44 g
Weight per piece (excluding packing)	99.44 g
Customs tariff number	85364190
Country of origin	DE

# EMG 45-RELS/IR1-G 24 - Relay base



2950996

<https://www.phoenixcontact.com/us/products/2950996>

## Technical data

### Notes

Notes on operation	For the protection of relay coils and contacts, inductive loads must be dampened with an efficient protection circuit.
--------------------	--

### Product properties

Product type	Relay socket
--------------	--------------

#### Insulation characteristics

Overvoltage category	II
Pollution degree	2

### Connection data

#### Input 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

#### Output 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

### Dimensions

Width	45 mm
Height	75 mm
Depth	82.5 mm

### Material specifications

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

### Environmental and real-life conditions

#### Ambient conditions

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

### Mounting

# EMG 45-RELS/IR1-G 24 - Relay base



2950996

<https://www.phoenixcontact.com/us/products/2950996>

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

# EMG 45-RELS/IR1-G 24 - Relay base



2950996

<https://www.phoenixcontact.com/us/products/2950996>

## Drawings

### Circuit diagram



# EMG 45-RELS/IR1-G 24 - Relay base



2950996

<https://www.phoenixcontact.com/us/products/2950996>

## Classifications

### ECLASS

ECLASS-13.0	27371603
ECLASS-15.0	27371603

### ETIM

ETIM 9.0	EC001456
----------	----------

### UNSPSC

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

# EMG 45-RELS/IR1-G 24 - Relay base



2950996

<https://www.phoenixcontact.com/us/products/2950996>

## 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: 7439-92-1)
SCIP	a476a008-99e6-483c-9f15-06dff88c9f3c

Phoenix Contact 2026 © - 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](mailto:info@phoenixcon.com)