

# EMG 45-RELS/K2-G110 - Relay base

2950721

<https://www.phoenixcontact.com/us/products/2950721>

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Relay module with plug-in base for KAMMRELAIS® size 2, contact: B 110, 4 changeover contacts, input voltage 110 V DC, with LED display, freewheeling and polarity protection diode

The figure shows version EMG 45-RELS, with plug-in socket for cradle relay, size 2

## Commercial data

Item number	2950721
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	DK6131
GTIN	4017918084110
Weight per piece (including packing)	102.68 g
Weight per piece (excluding packing)	102.68 g
Customs tariff number	85364900
Country of origin	DE

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## Technical data

### Product properties

Product type	Relay socket
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### Insulation characteristics

Overvoltage category	III
Pollution degree	2

### Input data

Nominal input voltage $U_N$	110 V DC
	110 V DC

### 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)
Insulating material	PC-F

### Environmental and real-life conditions

#### Ambient conditions

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

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## Standards and regulations

Standards/regulations	IEC 60664
	IEC 60664A
	DIN VDE 0110
	DIN VDE 0109-11, draft
	DIN EN 50178/VDE 0160 (in relevant parts)

## Mounting

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

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## Drawings

### Circuit diagram



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## Environmental product compliance

EU REACH SVHC

REACH candidate substance (CAS No.)	
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	No substance above 0.1 wt%
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