

# ECOR-1-BSC2-RT/2X21 - Relay base



1027546

<https://www.phoenixcontact.com/sk/products/1027546>

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ECOR-1... relay base, for miniature power relays or miniature switching relays with 1 or 2 changeover contacts, bolt connection, for mounting on NS 35/7,5.



## Commercial data

Item number	1027546
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	DKF
Product key	DKF312
GTIN	4055626522210
Weight per piece (including packing)	35.31 g
Weight per piece (excluding packing)	22.22 g
Customs tariff number	85366990
Country of origin	CN

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## Technical data

### Notes

Notes on operation	Do not use to separate SELV / PELV circuits from other circuits, because safe isolation is not guaranteed.
Notes on operation	The outputs are not suitable for switching different outer conductors.
Notes on operation	The system installer must ensure the touch protection of the product (at voltages > 25 V AC/60 V DC). The product is a built-in device without protection against direct contact.
Notes on operation	At least a basic level of insulation is maintained against adjacent modules in the DIN rail direction. If the application has higher requirements on the insulation (reinforced insulation), then these must be realized through suitable measures (e.g. partition plates).

### Product properties

Product type	Relay socket
Product family	ESSENTIAL edition
Operating mode	100% operating factor

Insulation characteristics: Air clearances and creepage distances between the power circuits

Overvoltage category	III
Pollution degree	2

### Electrical properties

Nominal voltage $U_N$	$\leq 230$ V AC/DC
Nominal current $I_N$	10 A
Test voltage relay winding/relay contact	2 kV <sub>rms</sub> (50 Hz, 1 min.)

Air clearances and creepage distances between the power circuits

Rated insulation voltage	250 V AC
Rated surge voltage	4 kV

### Connection data

#### Input side

Connection method	Bolt connection
Conductor cross section rigid	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section rigid (2 conductors with same cross section)	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (without ferrule)
	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> (with ferrule)
Conductor cross section flexible (2 conductors with same cross section)	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (without ferrule)
	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> (with ferrule)
Conductor cross section AWG	14
Tightening torque	0.5 Nm ... 0.7 Nm

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## Output side

Connection method	Bolt connection
Conductor cross section rigid	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section rigid (2 conductors with same cross section)	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (without ferrule)
	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> (with ferrule)
Conductor cross section flexible (2 conductors with same cross section)	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (without ferrule)
	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> (with ferrule)
Conductor cross section AWG	14
Tightening torque	0.5 Nm ... 0.7 Nm

## Dimensions

Width	15.8 mm
Height	71.5 mm
Depth Retaining bracket	58.1 mm (with retaining bracket)

## Material specifications

Color	traffic grey B (RAL 7043)
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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Degree of protection (Installation location)	≥ IP54 (Installation location)
Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Altitude	≤ 2000 m

## Standards and regulations

### 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 note	in rows with zero spacing
Mounting position	any

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/sk/products/1027546>



**CSA**

Approval ID: 255476



**cUL Recognized**

Approval ID: FILE E 113228



**UL Recognized**

Approval ID: FILE E 113228



**EAC**

Approval ID: RU C-DE.\*\*08.B.01419

**cULus Recognized**

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## Classifications

### ECLASS

ECLASS-11.0	27371603
ECLASS-12.0	27371603
ECLASS-13.0	27371603

### ETIM

ETIM 9.0	EC001456
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### UNSPSC

UNSPSC 21.0	39122300
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

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