

ECOR-4-BSC2/4X21 - Relay base



1157947

<https://www.phoenixcontact.com/us/products/1157947>

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ECOR-4 relay base, for power relay with 4 changeover contacts, ring cable lug screw connection, for mounting on NS 35/7.5



Commercial data

Item number	1157947
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	C463
Product key	CKF314
GTIN	4063151163907
Weight per piece (including packing)	80.93 g
Weight per piece (excluding packing)	80.93 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 with appropriate switching output (applies to the AC optocoupler variants and relays).
Notes on safety	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.
Assembly note	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).
Assembly note	Any unused screw connections have to be tightened with torque.

Product properties

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

Insulation characteristics

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

Insulation	Basic insulation
Overvoltage category	III
Pollution degree	2

Electrical properties

Air clearances and creepage distances between the power circuits

Rated insulation voltage	250 V AC
Rated surge voltage	4 kV

Input data

Nominal input voltage U_N	≤ 230 V AC/DC
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Connection data

Connection method	Screw connection
Conductor cross section rigid	0.5 mm ² ... 2.5 mm ²
Conductor cross-section rigid (2 conductors with same cross section)	0.5 mm ² ... 2.5 mm ² (with ferrule)
Conductor cross section flexible	0.5 mm ² ... 2.5 mm ²
Conductor cross section flexible (2 conductors with same cross section)	0.5 mm ² ... 2.5 mm ² (with ferrule)

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Tightening torque	1.2 Nm
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Dimensions

Width	44.1 mm
Height	83.3 mm
Depth	30 mm

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)	-40 °C ... 85 °C
Ambient temperature (storage/transport)	-40 °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

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cUL Recognized
Approval ID: File E 172140



UL Recognized
Approval ID: File E 172140



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 8.0	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
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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Mandatory accessories

REL-PR-BL- 24DC/4X21 - Single relay

1157980

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Plug-in power relay, basic version, Plug-in connection, 4 changeover contacts, status display: Green LED, Input voltage: 24 V DC

REL-PR-BL-110DC/4X21 - Single relay

1157976

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Plug-in power relay, basic version, Plug-in connection, 4 changeover contacts, status display: Green LED, Input voltage: 110 V DC

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REL-PR-BL-125DC/4X21 - Single relay

1157973

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Plug-in power relay, basic version, Plug-in connection, 4 changeover contacts, status display: Green LED, Input voltage: 125 V DC

REL-PR-BL-220DC/4X21 - Single relay

1157968

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Plug-in power relay, basic version, Plug-in connection, 4 changeover contacts, status display: Green LED, Input voltage: 220 V DC

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REL-PR-BL-24AC/4X21 - Single relay

1157979

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Plug-in power relay, basic version, Plug-in connection, 4 changeover contacts, status display: Green LED, Input voltage: 24 V AC

REL-PR-BL-115AC/4X21 - Single relay

1157971

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Plug-in power relay, basic version, Plug-in connection, 4 changeover contacts, status display: Green LED, Input voltage: 115 V AC

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REL-PR-BL-230VAC/4X21 - Single relay

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Plug-in power relay, basic version, Plug-in connection, 4 changeover contacts, status display: Green LED, Input voltage: 230 V AC

Accessories

ECOR-RHM-4 - Relay retaining bracket

1289771

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Relay retaining bracket, wire model, suitable for ECOR- 4 relay base with 36.5 mm power relays

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