

ECOR-2-BSC2/4X21 - Relay base



1089994

<https://www.phoenixcontact.com/us/products/1089994>

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ECOR-2 relay base, for industrial relay with 2 or 4 changeover contacts, screw connection, plug-in option for input/interference suppression modules, for mounting on NS 35/7,5

Commercial data

Item number	1089994
Packing unit	1 pc
Minimum order quantity	10 pc
Sales key	C463
Product key	CK6312
GTIN	4055626897837
Weight per piece (including packing)	68.75 g
Weight per piece (excluding packing)	68 g
Customs tariff number	85366990
Country of origin	CN

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Technical data

Notes

General	Do not use to separate SELV / PELV circuits from other circuits, because safe isolation is not guaranteed.
General	The outputs are not suitable for switching different outer conductors.
General	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.
General	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	II
Pollution degree	2

Electrical properties

Nominal voltage U_N	≤ 230 V AC/DC
Test voltage relay winding/relay contact	2.5 kV _{rms} (50 Hz, 1 min.)

Air clearances and creepage distances between the power circuits

Rated insulation voltage	250 V AC
Rated surge voltage	2.5 kV

Connection data

Input side

Connection method	Screw connection
Stripping length	7 mm
Screw thread	M3
Conductor cross section rigid	0.2 mm ² ... 4 mm ²
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ² (without ferrule) 0.2 mm ² ... 1.5 mm ² (with ferrule)
Conductor cross section AWG	12
Tightening torque	0.5 Nm ... 0.7 Nm

Output side

Connection method	Screw connection
Stripping length	7 mm

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Screw thread	M3
Conductor cross section rigid	0.2 mm ² ... 4 mm ²
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ² (without ferrule) 0.2 mm ² ... 1.5 mm ² (with ferrule)
Conductor cross section AWG	12
Tightening torque	0.5 Nm ... 0.7 Nm

Dimensions

Width	27 mm
Height	75 mm
Depth Retaining bracket	84 mm (with retaining bracket)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20 ()
Degree of protection (Installation location)	≥ IP54 (Installation location)
Ambient temperature (operation)	-25 °C ... 70 °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 instructions	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/us/products/1089994>

 **CSA**
Approval ID: 255476

 **cUL Recognized**
Approval ID: FILE E 113228

 **UL Recognized**
Approval ID: FILE E 113228

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

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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Accessories

DB 50- 90 BU - Wire bridge

2821180

<https://www.phoenixcontact.com/us/products/2821180>

Flexible wire loop bridge, 50-pos., conductor cross-section: 0.5 mm², loop length: 90 mm, ferrule length: 8 mm, color: blue



DB 50- 90 BK - Wire bridge

2820916

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Flexible wire loop bridge, 50-pos., conductor cross-section: 0.5 mm², loop length: 90 mm, ferrule length: 8 mm, color: black



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DB 50- 90 GY - Wire bridge

2820929

<https://www.phoenixcontact.com/us/products/2820929>

Flexible wire loop bridge, 50-pos., conductor cross-section: 0.5 mm², loop length: 90 mm, ferrule length: 8 mm, color: gray



LDP- 12- 24DC - Plug-in module

2833657

<https://www.phoenixcontact.com/us/products/2833657>

Plug-in module, with freewheeling diode and yellow LED, polarity: A1+, A2-, input voltage: 12 ... 24 V DC ±20 %



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DP-12-220 DC - Plug-in module

2907517

<https://www.phoenixcontact.com/us/products/2907517>



Plug-in module, with freewheeling diode, polarity: A1+, A2-, input voltage:
12 V DC ... 220 V DC $\pm 20\%$

LV-120-230AC/110DC - Plug-in module

2833738

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Plug-in module, with varistor and yellow LED, input voltage: 120 ... 230 V AC /
110 V DC $\pm 20\%$

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V-120-230UC - Plug-in module

2833880

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Plug-in module, with varistor, input voltage: 120 ... 230 V AC/DC ± 20 %

RC-120-230UC - Plug-in module

2833767

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Plug-in module, with RC element, input voltage: 120 ... 230 V AC/DC ± 20 %

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MP 2 - Marker labels

2833644

<https://www.phoenixcontact.com/us/products/2833644>

Equipment marker, labeling surface 9 x 25 mm



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