ECOR-1-BSC2/FO/1X21 - Relay base

1308331

https://www.phoenixcontact.com/us/products/1308331

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.

ECOR-1 relay base, for FASTON relay, Fork-type cable lug, 1 changeover contact



Commercial data

Item number	1308331
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	C460
Product key	DKF312
GTIN	4063151559410
Weight per piece (including packing)	26.93 g
Weight per piece (excluding packing)	26.57 g
Customs tariff number	85366990
Country of origin	CN

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 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	Basic insulation is maintained against adjacent modules in the DIN rail direction. If the application has higher requirements for the insulation (reinforced insulation), then these must be realized by means of suitable measures (e.g., divider plates).
Notes on operation	Any unused screw connections have to be tightened with torque.

Product properties

Product type	Relay socket
Product family	ESSENTIAL edition

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

Insulation	Basic insulation
Overvoltage category	II
Pollution degree	2

Electrical properties

Nominal current I_N	max. 12 A (Depends on application/assembly)
Test voltage (Winding/contact)	4 kV_{rms} (50 Hz, 1 min., winding/contact)
Test voltage (open contact)	1 kV_{rms} (50 Hz, 1 min., open contact)

Air clearances and creepage distances between the power circuits

Rated insulation voltage	250 V AC
Rated surge voltage	2.5 kV

Connection data

Connection method	Fork-type cable lug
Stripping length	7 mm
Screw thread	M3
Conductor cross-section rigid	0.4 mm² ... 1.5 mm²
Conductor cross-section flexible	0.4 mm² ... 1.5 mm²
Conductor cross-section AWG	21 ... 16
Tightening torque	0.5 Nm ... 1 Nm

Dimensions

Item dimensions

Width	15.7 mm
Height	71 mm
Depth	35.6 mm

Material specifications

Color	traffic gray B (RAL 7043)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C

Approvals

CE

Certificate	CE-compliant

UKCA

Certificate	UKCA-compliant

Standards and regulations

Standards/regulations	IEC 60664-1

Air clearances and creepage distances between the power circuits

Standards/regulations	IEC 60664-1

Mounting

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

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1308331

cUL Recognized
Approval ID: FILE E 113228

UL Recognized
Approval ID: FILE E 113228

Classifications

ECLASS

ECLASS-13.0	27371603
ECLASS-15.0	27371603

ETIM

ETIM 10.0	EC001456

UNSPSC

UNSPSC 21.0	39122300

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%

EF3.1 Climate Change

CO2e kg	0.293 kg CO2e

Mandatory accessories

REL-FO/L-24DC/1X21 - Single relay

1308188

https://www.phoenixcontact.com/us/products/1308188



Plug-in miniature relay, FASTON connection, 1 changeover contact, status display: LED (yellow), Input voltage: 24 V DC

REL-FO/L-110DC/1X21 - Single relay

1308299

https://www.phoenixcontact.com/us/products/1308299



Plug-in miniature relay, FASTON connection, 1 changeover contact, status display: LED (yellow), Input voltage: 110 V DC

REL-FO/L-120AC/1X21 - Single relay

1308310

https://www.phoenixcontact.com/us/products/1308310



Plug-in miniature relay, FASTON connection, 1 changeover contact, status display: LED (yellow), Input voltage: 120 V AC

REL-FO/L-230AC/1X21 - Single relay

1308317

https://www.phoenixcontact.com/us/products/1308317



Plug-in miniature relay, FASTON connection, 1 changeover contact, status display: LED (yellow), Input voltage: 230 V AC

REL-FO/LD-24DC/1X21MS - Single relay

1308302

https://www.phoenixcontact.com/us/products/1308302



Plug-in miniature relay with mechanical switching position indicator, FASTON connection, 1 changeover contact, status display: LED (yellow), Freewheeling diode, Input voltage: 24 V DC

REL-FO/LD-110DC/1X21/MS - Single relay

1308300

https://www.phoenixcontact.com/us/products/1308300



Plug-in miniature relay with mechanical switching position indicator, FASTON connection, 1 changeover contact, status display: LED (yellow), Freewheeling diode, Input voltage: 110 V DC

REL-FO/LRC-120AC/1X21/MS - Single relay

1308327

https://www.phoenixcontact.com/us/products/1308327



Plug-in miniature relay with mechanical switching position indicator, FASTON connection, 1 changeover contact, status display: LED (yellow), RC element, Input voltage: 120 V AC

REL-FO/LRC-230AC/1X21/MS - Single relay

1308323

https://www.phoenixcontact.com/us/products/1308323



Plug-in miniature relay with mechanical switching position indicator, FASTON connection, 1 changeover contact, status display: LED (yellow), RC element, Input voltage: 230 V AC

Accessories

ECOR-FO-RH-1H - Retaining bracket

1325205

https://www.phoenixcontact.com/us/products/1325205



Relay retaining bracket with ejector function, suitable for ECOR-1 FASTON relay base.

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