

Distributor - PRC ED-H 1I3/3O3-4-HR-GN - 1079651

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Circular connectors (cable-side), Range of articles: PRC, Distributor, housing material: Polycarbonate fiber reinforced, color: black, nom. voltage: 400 V, rated current: 32 A, Connection method: pre-assembled, Type of contact: Input: pin / outputs: socket




Your advantages

- ✓ Time-saving Plug and Play installation with pre-assembled distributor boxes
- ✓ Locking mechanism can be unlocked manually or using a tool
- ✓ Ideal for indoor and outdoor use due to weatherproof materials
- ✓ Customer-specific versions and assembly available on request



Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 800707
GTIN	4055626800707
Weight per Piece (excluding packing)	620.000 g
Custom tariff number	85444290
Country of origin	Germany

Technical data

General data

Color	black
Locking type	Snap-in locking
Insertion/withdrawal cycles	2000
Insertion force	70 N ±10 N
Width	238 mm

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Technical data

General data

Height	129 mm
Length	77 mm

Connection data

Rated current	32 A (observe derating)
Nominal voltage ATD	400 V
Type of contact	Input: pin / outputs: socket
Connection method	pre-assembled
Degree of protection	IP66/67/69
Insertion force	70 N ±10 N

Material data

Contact material	Copper alloy
Contact surface material	Silver
Contact carrier material	PPE
Housing material	Polycarbonate fiber reinforced
Seal material	TPE
O-ring material	Silicon
Material of locking screw	Polycarbonate, fiber-reinforced
Color of the housing part	black
Knurl material	Polycarbonate fiber reinforced

Ambient conditions

Ambient temperature (operation)	-40 °C ... 70 °C (Depending on the current carrying capacity/derating curve)
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Ambient temperature (assembly)	-5 °C ... 85 °C

Standards and Regulations

Halogen-free	yes
Flammability rating according to UL 94	V0
Safety note	<ul style="list-style-type: none">• WARNING: Commission properly functioning products only. The products must be regularly inspected for damage. Decommission defective products immediately. Replace damaged products. Repairs are not possible.
	<ul style="list-style-type: none">• WARNING: Only electrically qualified personnel may install and operate the product. They must observe the following safety notes. The qualified personnel must be familiar with the basics of electrical engineering. They must be able to recognize and prevent danger. The relevant symbol on the packaging indicates that only personnel familiar with electrical engineering are allowed to install and operate the product.
	WARNING: The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper use may damage persons and/or property.

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Technical data

Standards and Regulations

	<ul style="list-style-type: none"> Assembled products may not be manipulated or improperly opened.
	<ul style="list-style-type: none"> Only use mating connectors that are specified in the technical data of the standards listed (e.g. the ones listed in the product accessories online at phoenixcontact.com/products).
	<ul style="list-style-type: none"> When using the product in direct connection with third-party manufacturers, the user is responsible.
	<ul style="list-style-type: none"> For operating voltages > 50 V AC, conductive connector housings must be grounded
	<ul style="list-style-type: none"> Ensure that the protective or functional ground has been properly connected.
	<ul style="list-style-type: none"> VDE 0100/1.97 § 411.1.3.2 and DIN EN 60 204/11.98 § 14.1.3 are applicable when combining several circuits in a cable and/or connector
	<ul style="list-style-type: none"> Observe the corresponding technical data. You will find information: <ul style="list-style-type: none"> On the product On the packing label In the supplied documentation Online at phoenixcontact.com/products under the product
	<ul style="list-style-type: none"> Only use tools recommended by Phoenix Contact
	<ul style="list-style-type: none"> The installation notes/Design In documents online on the download page at phoenixcontact.com/products must be observed for this product.
	<ul style="list-style-type: none"> Use a protective cap to protect connectors that are not in use. The suitable accessories are available online in the accessory section of the product at phoenixcontact.com/products
	<ul style="list-style-type: none"> Operate the connector only when it is fully plugged in.
	<ul style="list-style-type: none"> Operate the connector only when it is fully plugged in and interlocked.
	<ul style="list-style-type: none"> Ensure that when laying the cable, the tensile load on the connectors does not exceed the upper limit specified in the standards.
	<ul style="list-style-type: none"> Observe the minimum bending radius of the cable. Lay the cable without twisting it.
	<ul style="list-style-type: none"> The connector warms up in normal operation. Depending on the ambient conditions, the surface of the connector can continue to warm up. In this case, the user is responsible for posting warnings (e.g. DIN EN ISO 13732-1:2008-12).

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Classifications

eCl@ss

eCl@ss 10.0.1	27440109
eCl@ss 11.0	27440109
eCl@ss 9.0	27440103

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Accessories

Accessories

Circular connector (cable-side)

Connector - PRC 3-FC-MS6 8-21 - 1014498



Circular connectors (cable-side), Range of articles: PRC, Connector, housing material: PPE, color: black, number of positions: 3, min. conductor cross section: 1.5 mm², max. conductor cross section: 6 mm², nom. voltage: 690 V AC, rated current: 35 A, Connection method: Screw connection, Type of contact: Pin, min. cable diameter: 8.00 mm, max. cable diameter: 21.00 mm

Coupler connector - PRC 3-FC-FS6 8-21 HR - 1017635



Circular connectors (cable-side), Range of articles: PRC, Coupler connector, type: Release with tool or by hand (see accessories), housing material: PPE, color: black, number of positions: 3, min. conductor cross section: 1.5 mm², max. conductor cross section: 6 mm², nom. voltage: 690 V AC, rated current: 35 A, Connection method: Screw connection, Type of contact: Socket, min. cable diameter: 8.00 mm, max. cable diameter: 21.00 mm. Variant for manual release

Connecting cable - PRC 3-CA-MF-H07-2,5-20,0 - 1150691



Circular connectors (cable-side), Range of articles: PRC, Connecting cable, housing material: PPE, color: black, number of positions: 3, nom. voltage: 690 V AC, rated current: 24 A, Connection method: Screw connection, Type of contact: Socket/pin

Connecting cable - PRC 3-CA-MF-H07-2,5-10,0 - 1150692



Circular connectors (cable-side), Range of articles: PRC, Connecting cable, housing material: PPE, color: black, number of positions: 3, nom. voltage: 690 V AC, rated current: 24 A, Connection method: Screw connection, Type of contact: Socket/pin

Connecting cable - PRC 3-CA-MF-H07-2,5-5,0 - 1150693



Circular connectors (cable-side), Range of articles: PRC, Connecting cable, housing material: PPE, color: black, number of positions: 3, nom. voltage: 690 V AC, rated current: 24 A, Connection method: Screw connection, Type of contact: Socket/pin

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Accessories

Protective cover

Protective cap - PRC COVER F - 1409236



Protective cover, Range of articles: PRC, Protective cap, housing material: PPE, color: black. Suitable for couplings (FS)

Protective cap - PRC COVER M - 1409237



Protective cover, Range of articles: PRC, Protective cap, housing material: PPE, color: black. Suitable for connectors (MS)
