

PRC ED-T 1I5/2O5-4-HR-GN - T distributor



1079659

<https://www.phoenixcontact.com/in/products/1079659>

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Power distributor, Range of articles: PRC 35, T distributor, design: T distributor, housing material: Polycarbonate fiber reinforced, color: black, max. conductor cross section: 4 mm², rated voltage: 400 V, rated current: 32 A, Connection method: pre-assembled, Type of contact: Input: pin / outputs: socket. Alternatively, this item can be wired. For your specific requirements, please contact your local PHOENIX CONTACT subsidiary.

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

Commercial Data

Item number	1079659
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	ABL
Product Key	ABLCCA
GTIN	4055626801025
Weight per Piece (including packing)	515 g
Weight per Piece (excluding packing)	515 g
Customs tariff number	85444290
Country of origin	PL

Technical Data

Notes

General	Alternatively, this item can be wired. For your specific requirements, please contact your local PHOENIX CONTACT subsidiary.
General	For assembly notes, please refer to the packing slip

Safety note

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. • 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. <p>WARNING: The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper use may damage persons and/or property.</p> <ul style="list-style-type: none"> • Assembled products may not be manipulated or improperly opened. • 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). • When using the product in direct connection with third-party manufacturers, the user is responsible. • For operating voltages > 50 V AC, conductive connector housings must be grounded • Ensure that the protective or functional ground has been properly connected. • 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 • Observe the corresponding technical data. You will find information: <ul style="list-style-type: none"> o On the product o On the packing label o In the supplied documentation o Online at phoenixcontact.com/products under the product • Only use tools recommended by Phoenix Contact • The installation notes/Design In documents online on the download page at phoenixcontact.com/products must be observed for this product. • 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 • Operate the connector only when it is fully plugged in. • Operate the connector only when it is fully plugged in and interlocked.
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	<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).

Mounting

Connection method	pre-assembled
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Product properties

Type	T distributor
Product type	Power distributor
Product family	PRC 35
Locking type	Snap-in locking
Coding	AD

Insulation characteristics

Protection class	II
Degree of pollution	2

Dimensions

Width	180 mm
Height	159 mm
Length	70 mm

Electrical properties

Nominal voltage ATD	400 V (III/2)
Rated surge voltage (III/2)	8 kV
Rated current	32 A (observe derating)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	2000 (Test specification: IEC 60512-13-2)
Insertion force	50 N ±10 N (Test specification: IEC 60512-13-2)

Material specifications

Color	black
Color of the housing part	black
Flammability rating according to UL 94	V0
Seal material	TPE
Contact material	Copper alloy
Contact surface material	Sn

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Contact carrier material	PPE
O-ring material	Silicon
Material of locking screw	Polycarbonate, fiber-reinforced
Housing material	Polycarbonate fiber reinforced
Material (GRP)	Polycarbonate (Housing)
	PPE (Contact carriers)
	CuZn (Contact material, Pb < 0.1)

Cable/line

Single wire, cross section	4 mm ²
Halogen-free	yes

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP66/67/69
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

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/in/products/1079659>



EAC

Approval ID: B.01687

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Classifications

ECLASS

ECLASS-11.0	27440109
ECLASS-12.0	27440109
ECLASS-13.0	27440109

ETIM

ETIM 8.0	EC003569
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UNSPSC

UNSPSC 21.0	39121400
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Accessories

PRC 5-FC-MS6 8-21 - Connector

1014530

<https://www.phoenixcontact.com/in/products/1014530>



Installation connector, Range of articles: PRC 35, Connector, design: Release with tool or by hand (see accessories), housing material: PPE, color: black, number of positions: 5, min. conductor cross section: 1.5 mm², max. conductor cross section: 6 mm², rated voltage: 690 V AC, rated current: 35 A, Connection method: Screw connection, Type of contact: Pin, min. cable diameter: 8 mm, max. cable diameter: 21 mm. Ensures touch protection

PRC 5-FC-FS6 8-21 HR - Coupler connector

1017632

<https://www.phoenixcontact.com/in/products/1017632>



Installation connector, Range of articles: PRC 35, Coupler connector, design: Release with tool or by hand (see accessories), housing material: PPE, color: black, number of positions: 5, min. conductor cross section: 1.5 mm², max. conductor cross section: 6 mm², rated voltage: 690 V AC, rated current: 35 A, Connection method: Screw connection, Type of contact: Socket, min. cable diameter: 8 mm, max. cable diameter: 21 mm. Variant for manual release

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PRC COVER F - Protective cap

1409236

<https://www.phoenixcontact.com/in/products/1409236>



Installation connector, Range of articles: PRC 35, Protective cap, housing material: PPE, color: black, rated voltage: 1000. Suitable for couplings (FS)

PRC COVER M - Protective cap

1409237

<https://www.phoenixcontact.com/in/products/1409237>



Installation connector, Range of articles: PRC 35, Protective cap, housing material: PPE, color: black, rated voltage: 1000. Suitable for connectors (MS)

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PRC 5-CA-F-H07-4-5,0 - Connecting cable

1150674

<https://www.phoenixcontact.com/in/products/1150674>



Assembled installation cable, Range of articles: PRC 35, Connecting cable, housing material: PPE, color: black, number of positions: 5, rated voltage: 690 V AC, rated current: 32 A, Connection method: Screw connection, Type of contact: Socket. This item is also available with other cable lengths. For your specific requirements, please contact your local PHOENIX CONTACT subsidiary.

PRC 5-CA-F-H07-4-2,5 - Connecting cable

1150675

<https://www.phoenixcontact.com/in/products/1150675>



Assembled installation cable, Range of articles: PRC 35, Connecting cable, housing material: PPE, color: black, number of positions: 5, max. conductor cross section: 2.5 mm², rated voltage: 690 V AC, rated current: 32 A, Connection method: Screw connection, Type of contact: Socket. This item is also available with other cable lengths. For your specific requirements, please contact your local PHOENIX CONTACT subsidiary.

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PRC 5-CA-F-H07-4-1,0 - Connecting cable

1150676

<https://www.phoenixcontact.com/in/products/1150676>



Assembled installation cable, Range of articles: PRC 35, Connecting cable, housing material: PPE, color: black, number of positions: 5, rated voltage: 690 V AC, rated current: 32 A, Connection method: Screw connection, Type of contact: Socket. This item is also available with other cable lengths. For your specific requirements, please contact your local PHOENIX CONTACT subsidiary.

PRC 5-CA-M-H07-4-5,0 - Connecting cable

1150677

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Assembled installation cable, Range of articles: PRC 35, Connecting cable, housing material: PPE, color: black, number of positions: 5, rated voltage: 690 V AC, rated current: 32 A, Connection method: Screw connection, Type of contact: Pin. This item is also available with other cable lengths. For your specific requirements, please contact your local PHOENIX CONTACT subsidiary.

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PRC 5-CA-M-H07-4-2,5 - Connecting cable

1150678

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Assembled installation cable, Range of articles: PRC 35, Connecting cable, housing material: PPE, color: black, number of positions: 5, rated voltage: 690 V AC, rated current: 32 A, Connection method: Screw connection, Type of contact: Pin. This item is also available with other cable lengths. For your specific requirements, please contact your local PHOENIX CONTACT subsidiary.

PRC 5-CA-M-H07-4-1,0 - Connecting cable

1150679

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Assembled installation cable, Range of articles: PRC 35, Connecting cable, housing material: PPE, color: black, number of positions: 5, rated voltage: 690 V AC, rated current: 32 A, Connection method: Screw connection, Type of contact: Pin. This item is also available with other cable lengths. For your specific requirements, please contact your local PHOENIX CONTACT subsidiary.

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PRC 5-CA-MF-H07-4-20,0 - Connecting cable

1150680

<https://www.phoenixcontact.com/in/products/1150680>



Assembled installation cable, Range of articles: PRC 35, Connecting cable, housing material: PPE, color: black, number of positions: 5, rated voltage: 690 V AC, rated current: 32 A, Connection method: Screw connection, Type of contact: Socket/pin. This item is also available with other cable lengths. For your specific requirements, please contact your local PHOENIX CONTACT subsidiary.

PRC 5-CA-MF-H07-4-10,0 - Connecting cable

1150681

<https://www.phoenixcontact.com/in/products/1150681>



Assembled installation cable, Range of articles: PRC 35, Connecting cable, housing material: PPE, color: black, number of positions: 5, rated voltage: 690 V AC, rated current: 32 A, Connection method: Screw connection, Type of contact: Socket/pin. This item is also available with other cable lengths. For your specific requirements, please contact your local PHOENIX CONTACT subsidiary.

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PRC 5-CA-MF-H07-4-5,0 - Connecting cable

1150682

<https://www.phoenixcontact.com/in/products/1150682>



Assembled installation cable, Range of articles: PRC 35, Connecting cable, housing material: PPE, color: black, number of positions: 5, rated voltage: 690 V AC, rated current: 32 A, Connection method: Screw connection, Type of contact: Socket/pin. This item is also available with other cable lengths. For your specific requirements, please contact your local PHOENIX CONTACT subsidiary.

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PHOENIX CONTACT (I) Pvt. Ltd.

A-58/2, Okhla Industrial Area, Phase - II, New Delhi-110 020

+91.1275.71420

info@phoenixcontact.co.in