

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



1079651

<https://www.phoenixcontact.com/us/products/1079651>

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.

H distributor, Range of articles: PRC 35, design: H distributor, color: black, number of positions: 3, rated voltage: 400 V, rated current: 32 A, Connection method: Preassembled, 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 preassembled 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 | 1079651 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB03 |
| Product key | ABLCCA |
| GTIN | 4055626800707 |
| Weight per piece (including packing) | 691.691 g |
| Weight per piece (excluding packing) | 691.691 g |
| Customs tariff number | 85444290 |
| Country of origin | PL |

Technical data

Notes

| | |
|--------------------|--|
| Order information: | Alternatively, this item can be wired. For your specific requirements, please contact your local PHOENIX CONTACT subsidiary. |
|--------------------|--|

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. WARNING: The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper use may damage persons and/or property. • 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. • 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. • 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). |

Product properties

| | |
|---------------------|-------------------|
| Product type | Power distributor |
| Product family | PRC 35 |
| Type | H distributor |
| Number of positions | 3 |
| Coding | AD |

Insulation characteristics

| | |
|---------------------|----|
| Protection class | II |
| Degree of pollution | 2 |

Dimensions

| | |
|--------|--------|
| Width | 238 mm |
| Height | 129 mm |
| Length | 77 mm |

Electrical properties

| | |
|-----------------------------|-------------------------|
| Rated voltage | 400 V (III/2.00) |
| Rated surge voltage (III/2) | 8 kV |
| Rated current | 32 A (observe derating) |

Mechanical properties

Mechanical data

| | |
|-----------------------------|------------|
| Insertion/withdrawal cycles | 2000 |
| Insertion force | 70 N ±10 N |

Material specifications

| | |
|--|-----------------------------------|
| Color (Housing) | black (RAL 9005) |
| Color of the housing part | black |
| Material Housing | Polycarbonate |
| Material Contact carrier | PPE (Contact carrier) |
| Material Contact | CuZn (Contact material, Pb < 0.1) |
| Flammability rating according to UL 94 | V0 |
| Seal material | TPE |
| Contact surface material | Sn |
| O-ring material | Silicon |
| Material of locking screw | Polycarbonate, fiber-reinforced |

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



1079651

<https://www.phoenixcontact.com/us/products/1079651>

Cable/line

| | |
|--------------|-----|
| Halogen-free | yes |
|--------------|-----|

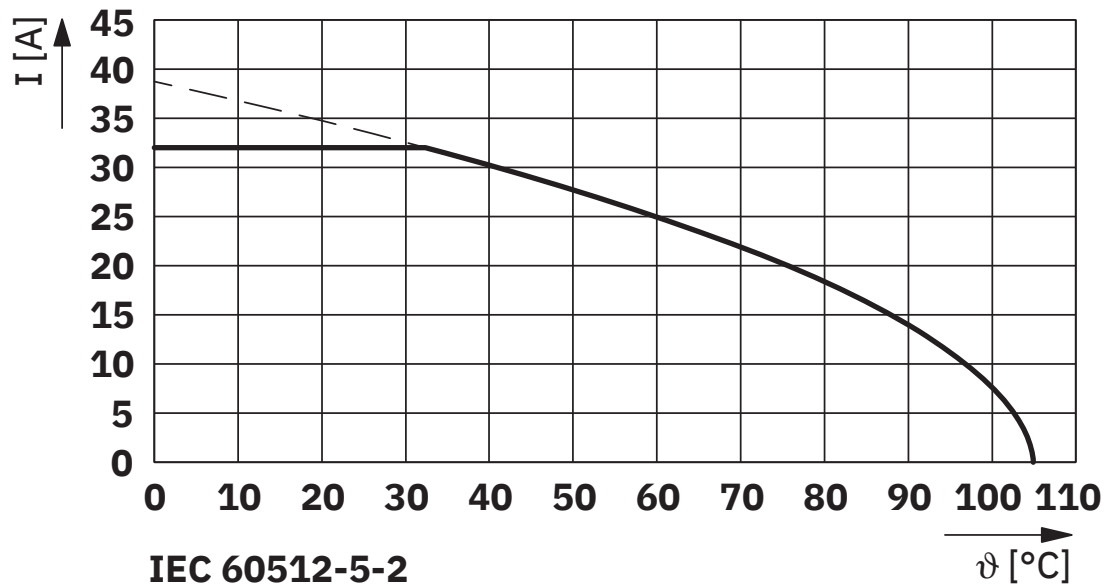
Environmental and real-life conditions

Ambient conditions

| | |
|---|--|
| Degree of protection | IP66/IP67/IP69 |
| 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 |

Drawings

Diagram



IEC 60512-5-2

PRC ED-* 1I3... / 2 conductors / factor 0.8

PRC ED-* 1I5... / 4 conductors / factor 1

Derating

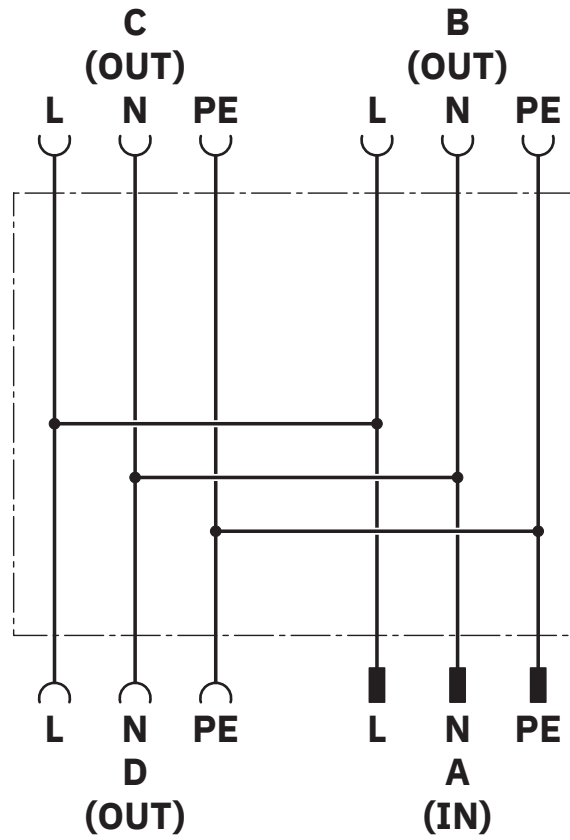
PRC ED-H 1I3/3O3-4-HR-GN - H distributor



1079651

<https://www.phoenixcontact.com/us/products/1079651>

Circuit diagram



1079651

<https://www.phoenixcontact.com/us/products/1079651>

Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27440603 |
| ECLASS-15.0 | 27440603 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC002567 |
|-----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

1079651

<https://www.phoenixcontact.com/us/products/1079651>

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.) | Triphenyl phosphate(CAS: 115-86-6) |
| SCIP | 786760f2-ac1f-4162-9736-b9fb320fc90a |

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