

PRC 5-HEAD-FS6-1 - Contact carrier



1070197

<https://www.phoenixcontact.com/us/products/1070197>

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Contact carrier, Range of articles: PRC 35, design: Release with tool or by hand (see accessories), 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, Contact insert without connector housing. Please order the appropriate connector housings according to the accessories list.

Your advantages

- Versatile interfaces with straight and angled connector housings
- Universal accommodation of existing connector heads with screw connection technology
- Modular system for optimized storage
- Locking mechanism can be unlocked manually or using a tool
- Ideal for indoor and outdoor use due to weatherproof materials

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1070197 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB03 |
| Product key | ABLCBA |
| GTIN | 4055626748498 |
| Weight per piece (including packing) | 54.4 g |
| Weight per piece (excluding packing) | 40.395 g |
| Customs tariff number | 85366990 |
| Country of origin | PL |

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Technical data

Notes

| | |
|---------------------|--|
| Order information: | Contact insert without connector housing. Please order the appropriate connector housings according to the accessories list. |
| Note on application | For assembly notes, please refer to the packing slip |

Product properties

| | |
|---------------------|--|
| Product type | Contact insert |
| Product family | PRC 35 |
| Type | Release with tool or by hand (see accessories) |
| Number of positions | 5 |
| Connection profile | 4+PE |
| Coding | AD |

Insulation characteristics

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

Electrical properties

| | |
|-----------------------------|--|
| Rated voltage (III/2) | 690 V |
| Nominal voltage ATD | 690 V AC (III/2.00) in accordance with IEC 61984, when mounted 600 V AC / DC (III/2.00) 500 V DC (III/2.00) in accordance with IEC 61535, when mounted |
| Rated surge voltage (III/2) | 8 kV |
| Rated current | 35 A (With 6 mm ² conductor cross-section in accordance with IEC 61984) 28 A (with AWG 10, in accordance with UL 2237) 32 A (With 6 mm ² conductor cross-section in accordance with IEC 61535) |

Connection data

| | |
|----------------------------------|---|
| Connection method | Screw connection |
| Tightening torque | ... 1 Nm |
| Conductor cross-section flexible | 4 mm ² ... 6 mm ² |
| Conductor cross-section rigid | 1.5 mm ² ... 6 mm ² |

Dimensions

| | |
|--------|---------|
| Width | 35.9 mm |
| Height | 34.5 mm |
| Length | 51.2 mm |

Material specifications

| | |
|-----------------|------------------|
| Color (Housing) | black (RAL 9005) |
|-----------------|------------------|

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| | |
|--|-----------------------------------|
| Color of the housing part | black |
| Material Seal | EPDM (Housing seal) |
| Material Contact carrier | PPE |
| Material Contact | CuZn (Contact material, Pb < 0.1) |
| Material Housing | PPE |
| Flammability rating according to UL 94 | V0 |
| Insulating material group | I / CTI 600 |
| Contact surface material | silver-plated |
| O-ring material | EPDM |

Cable/line

| | |
|---|---|
| Single wire, cross section | 1.5 mm ² 6 mm ² 14 AWG 10 AWG |
| Stripping length of the individual wire | 12 mm (Lay PE conductor 8 mm leading) |
| Halogen-free | yes |

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) |

Environmental and real-life conditions

Ambient conditions

| | |
|---|---|
| Degree of protection (when plugged in) | IP66/IP68 (2 m / 24 h) IP69K (when mounted) |
| Degree of protection | IP66/IP68 (2 m / 24 h) IP69K (when mounted) IP66/IP68 (2 m / 24 h) IP69K |
| Category of shock impact | IK08 (-25°C) |
| Ambient temperature (operation) | -40 °C ... 105 °C (dependent on the derating curve) |
| Ambient temperature (storage/transport) | -40 °C ... 70 °C |
| Ambient temperature (assembly) | -5 °C ... 85 °C |

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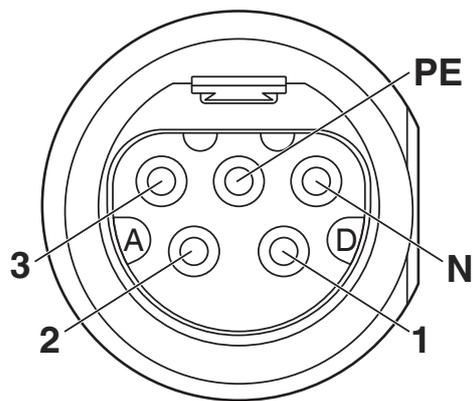
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Drawings

Schematic diagram



Connector pin assignment

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1070197>



cUL Recognized
Approval ID: E468743-20200116



UL Recognized
Approval ID: E468743-20200116



VDE Zeichengenehmigung
Approval ID: 40054231

| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
|-------|-----------------------|-----------------------|-------------------|-----------------------------|
| keine | | | | |
| | 690 V | 35 A | - | - |



VDE Zeichengenehmigung
Approval ID: 40054228

| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
|-------|-----------------------|-----------------------|-------------------|-----------------------------|
| keine | | | | |
| | 500 V | 32 A | - | - |

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27440605 |
| ECLASS-15.0 | 27440605 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC002560 |
|----------|----------|

UNSPSC

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

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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 | e82a1a66-b53e-4795-870b-5c1b2bd98d1b |

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