**PHŒNIX CONTACT**

## Connector - PRC 5-FC-FS6 8-21 - 1410656

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PRC connector, black, 5-pos., 1.5 mm² ... 6 mm²/690 V/35 A, with screw connection for cables with an outside diameter of 8 mm ... 21 mm.

RoHS

## Key Commercial Data

| | |
|---|---|
| Packing unit | 1 STK |
| GTIN | |
| GTIN | 4046356904247 |
| Weight per Piece (excluding packing) | 101.600 g |
| Custom tariff number | 85366990 |
| Country of origin | Germany |
| Note | Made to Order (non-returnable) |

## Technical data

### General data

| | |
|---|---|
| Number of positions | 5 |
| Protection class | II |
| Color | black |
| Locking type | Snap-in locking |
| Insertion/withdrawal cycles | 100 |
| Pull-out-force | 175 N ± 50 N |
| Insertion force | 40 N ±10 N |
| Degree of protection (when plugged in) | IP66 / IP68 (2m / 24h) / IP69K |

### Connection data

| | |
|---|---|
| Rated current | 30 A (with 6 mm² conductor cross section) |
| Rated voltage (III/2) | 690 V |
| Conductor cross section flexible min. | 1.5 mm² |
| Conductor cross section flexible max. | 6 mm² |

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## Technical data

### Connection data

| Conductor cross section solid min. | 1.5 mm² |
|---|---|
| Conductor cross section solid max. | 6 mm² |
| Stripping length | 12 mm |
| Torque | 1 Nm |
| Type of contact | Socket |
| Stripping length of the sheath | 50 mm |

### Material data

| Contact material | Cu |
|---|---|
| Contact surface material | silver-plated |
| Contact carrier material | mPPE |
| Material of grip body | mPPE |
| Flammability rating according to UL 94 | V0 |

### Standards and Regulations

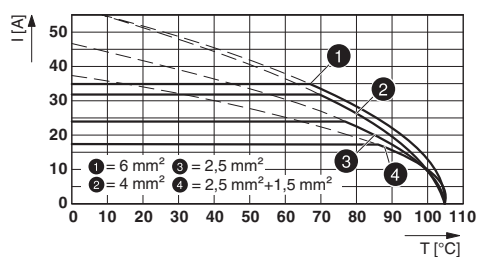| Flammability rating according to UL 94 | V0 |
|---|---|

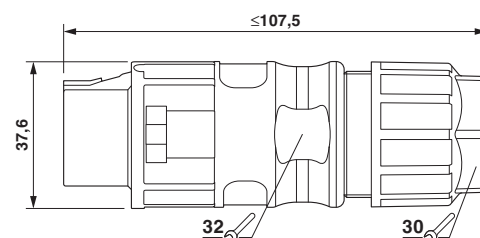### Environmental Product Compliance

| China RoHS | Environmentally Friendly Use Period = 50 |
|---|---|
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

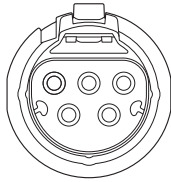## Drawings

### Diagram
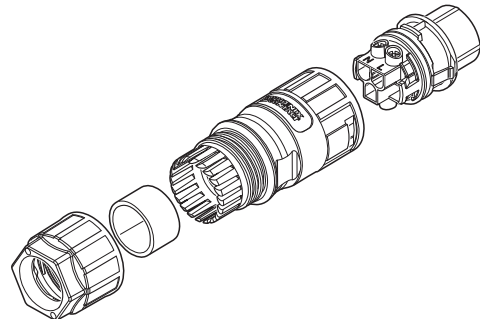


### Dimensional drawing

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Schematic diagram

Schematic diagram

Connector pin assignment

Schematic design

## Classifications

### eCl@ss

| eCl@ss 5.1 | 27143423 |
|------------|----------|
| eCl@ss 6.0 | 27279220 |
| eCl@ss 8.0 | 27440102 |
| eCl@ss 9.0 | 27440103 |

### ETIM

| ETIM 4.0 | EC002641 |
|----------|----------|
| ETIM 5.0 | EC002635 |
| ETIM 6.0 | EC002061 |

### UNSPSC

| UNSPSC 13.2 | 39121413 |
|-------------|----------|

## Approvals

### Approvals

Approvals

EAC / UL Listed / cUL Listed / null / null / null / cULus Listed

Ex Approvals

Approval details

## Connector - PRC 5-FC-FS6 8-21 - 1410656

Approvals

| EAC | EHC | B.01742 |
|---|---|---|

| UL Listed | (UL) LISTED | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm  E221474-20150513 |
|---|---|---|

| | |
|---|---|
| mm²/AWG/kcmil | 14-10 |
| Nominal current IN | 30 A |
| Nominal voltage UN | 600 V |

| cUL Listed | c(UL) LISTED | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm  E221474-20150513 |
|---|---|---|

| | |
|---|---|
| mm²/AWG/kcmil | 14-10 |
| Nominal current IN | 30 A |
| Nominal voltage UN | 600 V |

| | R 60117908 |
|---|---|
| mm²/AWG/kcmil | 6 |
| Nominal current IN | 21.4 A |
| Nominal voltage UN | 500 V |

| | R 60117904-0002 |
|---|---|
| mm²/AWG/kcmil | 6 |
| Nominal current IN | 35 A |
| Nominal voltage UN | 690 V |

| | R 60117904-0001 |
|---|---|
| mm²/AWG/kcmil | 6 |
| Nominal current IN | 32 A |
| Nominal voltage UN | 500 V |

| cULus Listed | c(UL)us LISTED |
|---|---|

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# Connector - PRC 5-FC-FS6 8-21 - 1410656

## Accessories

Accessories

Circular connector (cable-side)

Protective cap - PRC COVER F - 1409236

Protective cap for 3 and 5-pos. PRC field plugs

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### Screwdriver tools

Screwdriver - SZF 1-0,6X3,5 - 1204517

Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

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Screwdriver - SZF 0-0,4X2,5 - 1204504

Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.4 x 2.5 x 75 mm, 2-component grip, with non-slip grip

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Philips screwdriver - SF-PH 1-80 S-VDE - 1212693

Screwdriver, crosshead PH (lasered), insulated, size: PH 1 x 80, 2-component handle, with non-slip grip

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