

## Coupler connector - PRC 5-FC-FS6 8-21 - 1410656

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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Installation connector, Range of articles: PRC 35, Coupler connector, type: Can only be released with a tool, housing material: PPE, color: black, number of positions: 5, 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 mm, max. cable diameter: 21 mm. Variant for release with a tool

### Your advantages

- ✓ Up to 75% smaller in size than industrial connectors with the same rating
- ✓ Locking mechanism can be unlocked manually or using a tool
- ✓ Suitable for applications in atmospheres containing salt and in direct sunlight
- ✓ Ideal for indoor and outdoor use due to weatherproof materials



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 904247
GTIN	4046356904247
Weight per Piece (excluding packing)	100.000 g
Custom tariff number	85366990
Country of origin	Poland

### Technical data

#### Item properties

Range of articles	PRC 35
Brief article description	Coupler connector
Product feature	designed for assembly
Note	Order information: Variant for release with a tool
Type	Straight

# Coupler connector - PRC 5-FC-FS6 8-21 - 1410656

## Technical data

### Item properties

Number of positions	5
Color	black
Connection method	Screw connection
Type of contact	Socket
Connection profile	4+PE
Coding	AD (Mating face)

### Product dimensions

Width	37.6 mm
Height	37.6 mm
Length	107.5 mm

Rated current	35 A (in accordance with IEC 61984)
	32 A (With 6 mm <sup>2</sup> conductor cross section in accordance with IEC 61535)
	21.4 A (With 6 mm <sup>2</sup> conductor cross section and 85 °C in accordance with 2 PFG 1915)
	30 A (With 6 mm <sup>2</sup> /AWG 10, in accordance with UL 2238)
Nominal voltage ATD	690 V ACIII 2 (in accordance with IEC 61984)
	500 V AC (in accordance with IEC 61535/2 PFG 1915)
	600 V AC (In accordance with UL 2238)
Protection class	II

### Connection data

Wire cross section	1.5 mm <sup>2</sup> 6 mm <sup>2</sup> 14 10
Stripping length of the individual wire	12 mm (Lay PE conductor 8 mm leading)
Stripping length of the sheath	50 mm
Cable diameter	8 mm ... 21 mm
Torque	max. 1 Nm (Contact screw)

### Environmental data

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

### Mechanical tests

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

### Service life tests

Degree of protection	IP66 / IP68 (2m / 24h) / IP69K
Insertion/withdrawal cycles	100 (Test specification: IEC 60512-13-2)

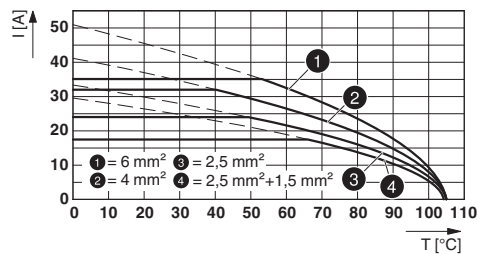
Coupler connector - PRC 5-FC-FS6 8-21 - 1410656

Technical data

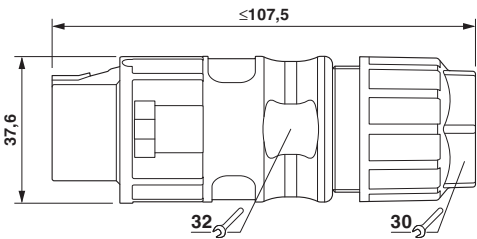
Halogen-free	yes
Environmental Product Compliance	
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

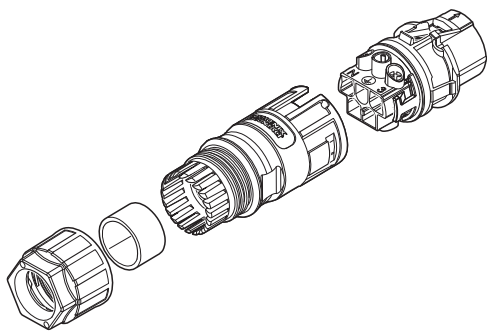
Diagram



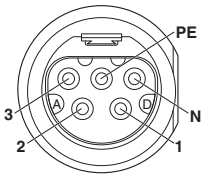
Dimensional drawing



Schematic diagram



Schematic diagram



Connector pin assignment

Schematic design

Classifications

eCl@ss

eCl@ss 10.0.1	27440102
eCl@ss 11.0	27440102
eCl@ss 4.0	27260700
eCl@ss 4.1	27260700

## Coupler connector - PRC 5-FC-FS6 8-21 - 1410656

### Classifications

#### eCl@ss

eCl@ss 5.0	27260700
eCl@ss 5.1	27260700
eCl@ss 6.0	27260700
eCl@ss 7.0	27440102
eCl@ss 9.0	27440102

#### ETIM

ETIM 4.0	EC002641
ETIM 6.0	EC002061
ETIM 7.0	EC002635

#### UNSPSC

UNSPSC 13.2	39121413
UNSPSC 18.0	39121413
UNSPSC 19.0	39121413
UNSPSC 20.0	39121413
UNSPSC 21.0	39121413

### Accessories

#### Accessories

##### Installation connector

Protective cap - PRC COVER F - 1409236



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

Connector - PRC 5-FC-MS6 8-21 - 1014530



Installation connector, Range of articles: PRC 35, Connector, housing material: PPE, color: black, number of positions: 5, min. conductor cross section: 1.5 mm<sup>2</sup>, max. conductor cross section: 6 mm<sup>2</sup>, nom. 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

#### Screwdriver tools

## Coupler connector - PRC 5-FC-FS6 8-21 - 1410656

### Accessories

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

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

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

### Universal tools

Tool - UNIFOX-WRENCH - 1212835



Screw pliers, with fast adjustment, for wrench size 10 mm ... 36 mm, size: 260 mm