

# Connector - PRC 3-FC-FS6 8-21 - 1410661


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PRC connector, black, 3-pos., 1.5 mm<sup>2</sup> ... 6 mm<sup>2</sup>/690 V/35 A, with screw connection for cables with an outside diameter of 8 mm ... 21 mm.



## Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 904674
GTIN	4046356904674
Weight per Piece (excluding packing)	90.000 g
Custom tariff number	85366990
Country of origin	Germany
Note	Made to Order (non-returnable)

## Technical data

### General data

Number of positions	3
Protection class	II
Color	black
Locking type	Snap-in locking
Insertion/withdrawal cycles	100
Pull-out-force	150 N ± 50 N
Insertion force	30 N ± 10 N
Degree of protection (when plugged in)	IP66 / IP68 (2m / 24h) / IP69K

### Connection data

Rated current	35 A (with 6 mm <sup>2</sup> conductor cross section)
Rated voltage (III/2)	690 V
Conductor cross section flexible min.	1.5 mm <sup>2</sup>
Conductor cross section flexible max.	6 mm <sup>2</sup>

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## Technical data

### Connection data

Conductor cross section solid min.	1.5 mm <sup>2</sup>
Conductor cross section solid max.	6 mm <sup>2</sup>
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

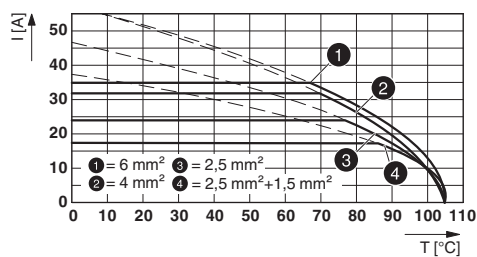
Standard designation	Shock, vibration
Standards/regulations	DIN EN 60068-2-6
	DIN EN 60068-2-27
	ETSI EN 300 019-1-4 V2.2.1 (2014-04)
Flammability rating according to UL 94	V0

### Environmental Product Compliance

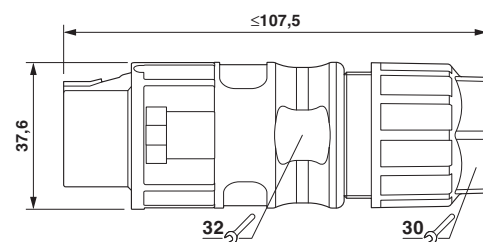
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

Diagram

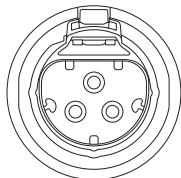


Dimensional drawing



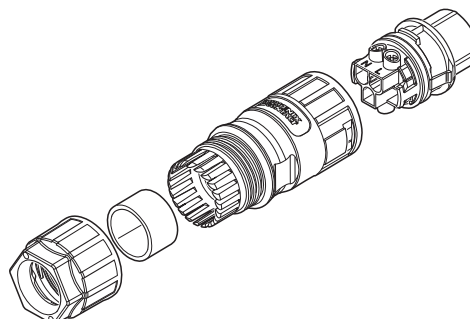
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Schematic diagram



Connector pin assignment

Schematic diagram



Schematic design

## Classifications

### eCl@ss

eCl@ss 4.1	27140816
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
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## Approvals

### Approvals

Approvals

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


Ex Approvals


### Approval details

# Connector - PRC 3-FC-FS6 8-21 - 1410661

## Approvals

EAC		B.01742
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UL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> E221474-20150513
mm <sup>2</sup> /AWG/kcmil	14-10	
Nominal current I <sub>N</sub>	35 A	
Nominal voltage U <sub>N</sub>	600 V	

cUL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> E221474-20150513
mm <sup>2</sup> /AWG/kcmil	14-10	
Nominal current I <sub>N</sub>	35 A	
Nominal voltage U <sub>N</sub>	600 V	

		R 60117908
mm <sup>2</sup> /AWG/kcmil	6	
Nominal current I <sub>N</sub>	21.4 A	
Nominal voltage U <sub>N</sub>	500 V	

		R 60117904-0002
mm <sup>2</sup> /AWG/kcmil	6	
Nominal current I <sub>N</sub>	35 A	
Nominal voltage U <sub>N</sub>	690 V	

		R 60117904-0001
mm <sup>2</sup> /AWG/kcmil	6	
Nominal current I <sub>N</sub>	32 A	
Nominal voltage U <sub>N</sub>	500 V	

cULus Listed		
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## Connector - PRC 3-FC-FS6 8-21 - 1410661

### 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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