

Coupler connector - PRC 3-FC-FS6 16-21 - 1410659

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>)



Circular connectors (cable-side), Range of articles: PRC, Coupler connector, type: Can only be released with a tool, housing material: PPE, color: black, number of positions: 3, 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: 16 mm, max. cable diameter: 21 mm

RoHS

Key Commercial Data

Packing unit	1 pc
Minimum order quantity	10 pc
GTIN	 4 046356 904261
GTIN	4046356904261
Weight per Piece (excluding packing)	80.000 g
Custom tariff number	85366990
Country of origin	Poland

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 ² conductor cross section in accordance with IEC 61984)
---------------	--

Coupler connector - PRC 3-FC-FS6 16-21 - 1410659

Technical data

Connection data

	32 A (With 6 mm ² conductor cross section in accordance with IEC 61535)
	21.4 A (With 6 mm ² conductor cross section and 85 °C in accordance with 2 PfG 1915)
	35 A (With 6 mm ² /AWG 10, in accordance with UL 2238)
Nominal voltage ATD	690 V AC (in accordance with IEC 61984)
	500 V AC (in accordance with IEC 61535/2 PfG 1915)
	600 V AC (In accordance with UL 2238)
Rated voltage (III/2)	690 V
Stripping length	12 mm
Torque	max. 1 Nm (Contact screw)
Type of contact	Socket
Stripping length of the sheath	50 mm
Conductor cross section flexible, with ferrule without plastic sleeve min.	1.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	6 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	1.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	6 mm ²
Conductor cross section solid min.	1.5 mm ²
Conductor cross section solid max.	6 mm ²
Conductor cross section flexible min.	4 mm ²
Conductor cross section flexible max.	6 mm ²

Material data

Contact material	Cu
Contact surface material	silver-plated
Contact carrier material	PPE
Flammability rating according to UL 94	V0

Standards and Regulations

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

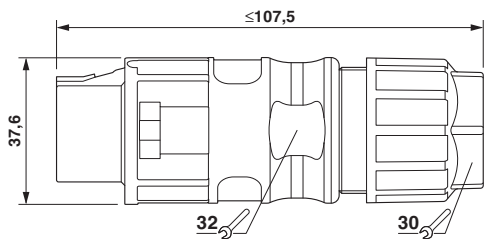
Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

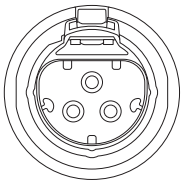
Drawings

Coupler connector - PRC 3-FC-FS6 16-21 - 1410659

Dimensional drawing

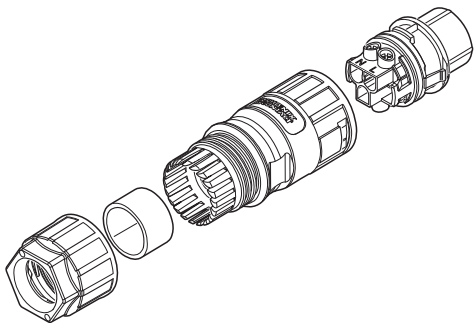


Schematic diagram



Connector pin assignment

Schematic diagram



Schematic design

Classifications

eCl@ss

eCl@ss 4.1	27260701
eCl@ss 5.1	27260700
eCl@ss 6.0	27260700
eCl@ss 7.0	27440102
eCl@ss 8.0	27440102
eCl@ss 9.0	27440103

ETIM

ETIM 4.0	EC002641
ETIM 5.0	EC002061
ETIM 6.0	EC002061

UNSPSC

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

Coupler connector - PRC 3-FC-FS6 16-21 - 1410659

Approvals

Approvals


Approvals


DNV GL / TÜV Rheinland / TÜV Rheinland / TÜV Rheinland / UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals

Approval details

DNV GL		https://approvalfinder.dnvgl.com/	TAE00002KM
--------	---	---	------------


TÜV Rheinland		http://www.certipedia.com	R 60117908
Nominal voltage UN	500 V		
Nominal current IN	21.4 A		
mm²/AWG/kcmil	6		


TÜV Rheinland		http://www.certipedia.com	R 60117904-0002
Nominal voltage UN	690 V		
Nominal current IN	35 A		
mm²/AWG/kcmil	6		


TÜV Rheinland		http://www.certipedia.com	R 60117904-0001
---------------	---	---	-----------------

Coupler connector - PRC 3-FC-FS6 16-21 - 1410659

Approvals

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E221474-20150513
Nominal voltage UN	600 V		
Nominal current IN	35 A		
mm²/AWG/kcmil	14-10		

cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E221474-20150513
Nominal voltage UN	600 V		
Nominal current IN	35 A		
mm²/AWG/kcmil	14-10		

EAC		B.01742
-----	---	---------

cULus Listed	
--------------	---

Accessories

Accessories

Circular connector (cable-side)

Protective cap - PRC COVER F - 1409236



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

Screwdriver tools

Coupler connector - PRC 3-FC-FS6 16-21 - 1410659

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