

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

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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: 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

RoHS

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

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	35 A (With 6 mm ² conductor cross section in accordance with IEC 61984)
	32 A (With 6 mm ² conductor cross section in accordance with IEC 61535)

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Technical data

Connection data

	21.4 A (With 6 mm ² conductor cross section and 85 °C in accordance with 2 PfG 1915)
	30 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
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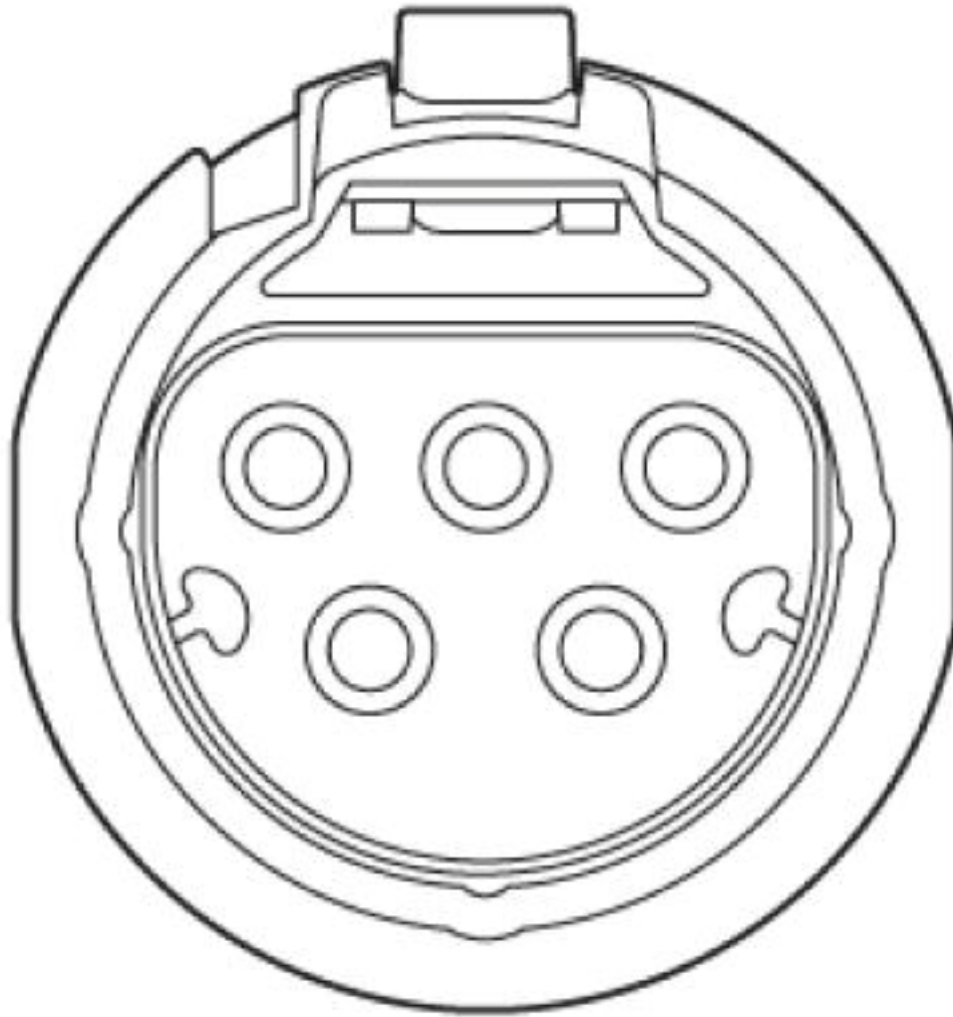
Environmental Product Compliance

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

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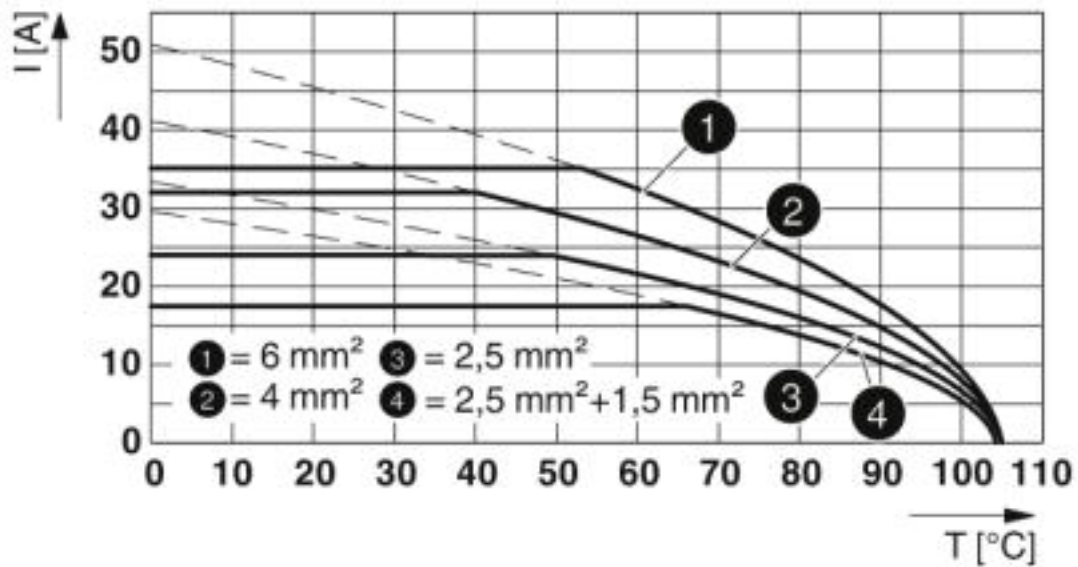
Schematic diagram



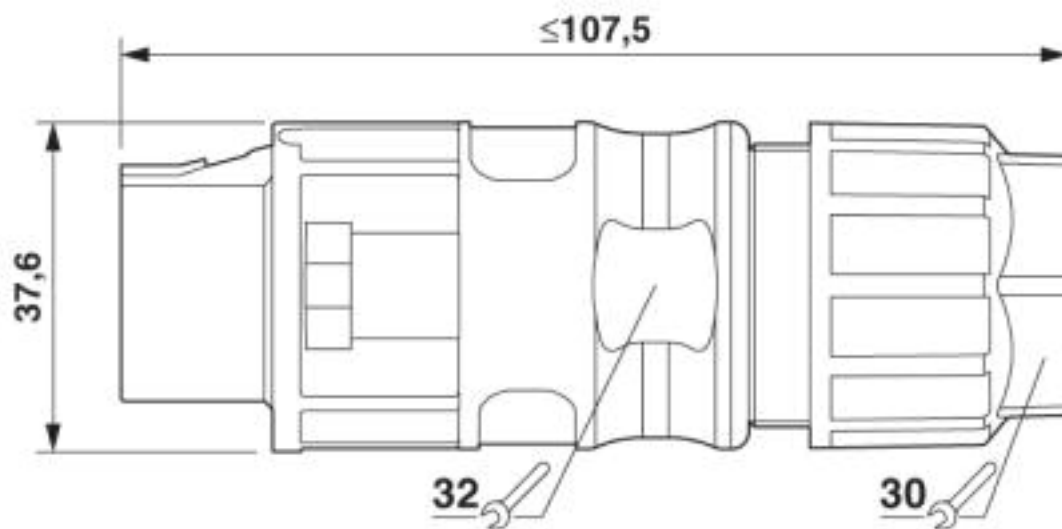
Connector pin assignment

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Diagram

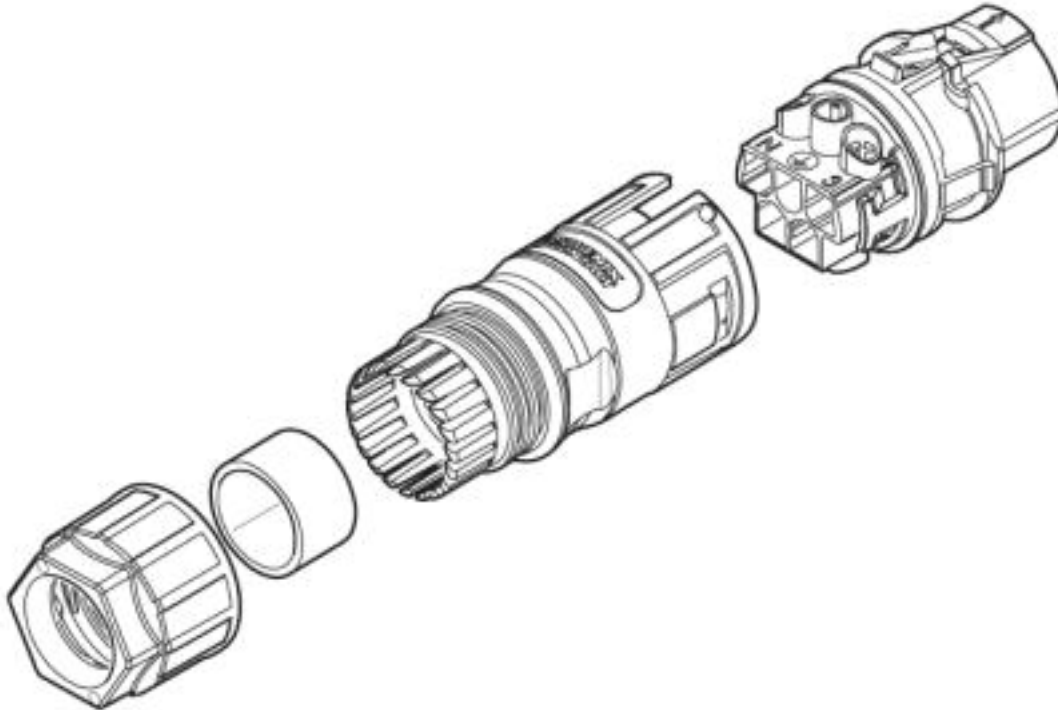


Dimensional drawing



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Schematic diagram



Schematic design

Classifications

eCl@ss

eCl@ss 4.0	27260700
eCl@ss 4.1	27260700
eCl@ss 5.0	27260700
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

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Classifications

UNSPSC

UNSPSC 13.2	39121413
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Approvals

Approvals


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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
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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
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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	30 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		30 A		
mm²/AWG/kcmil		14-10		

EAC		B.01742
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cULus Listed	
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Accessories

Accessories

Circular connector (cable-side)

Protective cap - PRC COVER F - 1409236



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

Screwdriver tools

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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