INDUSTRIAL COMPONENT DATA

PRC 5-FC-FS6 12-16 1409205 PHOENIX CONTACT Coupler connector

Brand: PHOENIX CONTACT | Manufacturer Part Number: PRC 5-FC-FS6 12-16



Manufacturer	PHOENIX CONTACT
MPN / Reference	PRC 5-FC-FS6 12-16
Catalog number	1409205
Category	Sensor-actuator connector chassis
Minimum order	10 Pcs
Document ID	EO-35CF6CE379
Generated	2026-11-19

Product Overview

Coupler connector
Circular connector (cable side), Article family: PRC, Plug-in coupling connector, construction: Unlock only with tool, housing material: PPE, color: black, number of poles: 5, min. conductor cross-section: 1.5 mm², max. conductor cross-section: 6 mm², rated voltage: 690 V AC, assigned current: 35 A, Connection type: Screw connection, Contact type: Female, min. cable diameter: 12.00 mm, max. cable diameter: 16.00 mm. Variant for unlocking with a tool

STRUCTURED PRODUCT DATA

Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

Classification & Catalog Path

Catalog path	PHOENIX CONTACT > Field Device Connectors (FDC)

Additional Product Information

Key Commercial Data
Orderkey 1409205
Packing unit 1 pc
Minimum order quantity 10 pc
Catalog page Page 76 (NTK-2014)
GTIN 4046356864497
Weight per Piece (excluding packing) 93.400 g
Custom tariff number 85366990
Country of origin PL (Poland)
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 mm² conductor cross section in accordance with IEC 61984)
32 A (With 6 mm² conductor cross section in accordance with IEC 61535)
21.4 A (With 6 mm² conductor cross section and 85 °C in accordance with 2 PfG 1915)
30 A (With 6 mm²/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
Conductor cross section flexible min. 4 mm²
Conductor cross section flexible max. 6 mm²
Conductor cross section solid min. 1.5 mm²
Conductor cross section solid max. 6 mm²
Stripping length 12 mm
Torque max. 1 Nm (Contact screw)
Type of contact Socket
Stripping length of the sheath 50 mm
Material data
Contact material Cu
Contact surface material Ag
Contact carrier material PPE
Flammability rating according to UL 94 V0
Standards and Regulations
Flammability rating according to UL 94 V0
Environmental Product Complian...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PRC 5-FC-FS6 12-16 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

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