PRC 5-HEAD-FS6-1 SET 25 - Contact carrier

1681008

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Contact carrier, Range of articles: PRC 35, design: Release with tool or by hand (see accessories), color: black, number of positions: 5, min. conductor cross-section: 1.5 mm^2, max. conductor cross-section: 6 mm^2, rated voltage: 690 V AC, rated current: 35 A, Connection method: Screw connection, Ensures touch protection

Your advantages

- Versatile interfaces with straight and angled connector housings
- Universal accommodation of existing connector heads with screw connection technology
- Modular system for optimized storage
- Locking mechanism can be unlocked manually or using a tool
- Ideal for indoor and outdoor use due to weatherproof materials

Commercial data

Item number	1681008
Packing unit	25 pc
Minimum order quantity	25 pc
Product key	ABLCBA
GTIN	4067923235267
Weight per piece (including packing)	43.02 g
Weight per piece (excluding packing)	40.395 g
Country of origin	PL

Technical data

Notes

Notes on operation	Ensures touch protection
Note on application	For assembly notes, please refer to the packing slip

Product properties

Product type	Contact insert
Product family	PRC 35
Type	Release with tool or by hand (see accessories)
Number of positions	5
Connection profile	4+PE

Insulation characteristics

Protection class	II

Electrical properties

Rated voltage	690 V AC (III/2) in accordance with IEC 61984
	500 V AC (III/2) in accordance with IEC 61535/2 PfG 1915
	600 V AC / DC (III/2) in accordance with UL 2238 / UL 2237
	500 V DC (III/2) in accordance with IEC 61535
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 61984)
	21.4 A (With 6 mm² conductor cross-section and 85 °C in accordance with 2 PfG 1915)
	28 A (with AWG 10, in accordance with UL 2237)

Connection data

Tightening torque	... 1 Nm

Dimensions

Width	35.9 mm
Height	34.5 mm
Length	51.2 mm

Material specifications

Color (Housing)	black (RAL 9005)
Material Seal	EPDM (Housing seal)
Material Contact carrier	PPE
Material Contact	CuZn (Contact material, Pb < 0.1)
Flammability rating according to UL 94	V0

Cable/line

Single wire, cross section	1.5 mm² 6 mm² 14 AWG 10 AWG
Halogen-free	yes (in accordance with IEC 61249-2-21:2003- 11 Cl.3.1)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	2000 (Test specification: IEC 60512-13-2)
Insertion force	50 N ±10 N (Test specification: IEC 60512-13-2)

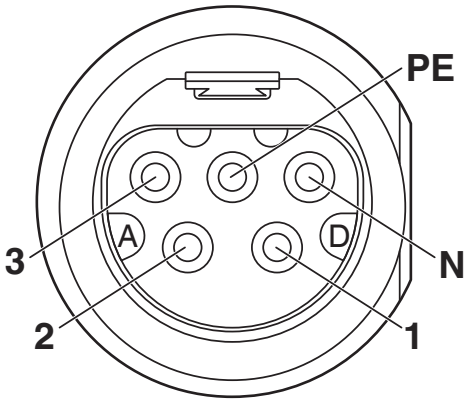
Environmental and real-life conditions

Ambient conditions

Degree of protection (when plugged in)	IP66
Degree of protection	IP66
	IP68 (2 m / 24 h)
	IP69
	IP66/IP68 (2 m / 24 h) IP69K
Category of shock impact	IK08 (-25°C)
Ambient temperature (operation)	-40 °C ... 105 °C (observe derating)
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Ambient temperature (assembly)	-5 °C ... 85 °C

Drawings

Schematic diagram



Connector pin assignment

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1681008

cUL Recognized
Approval ID: E468743-20200116

UL Recognized
Approval ID: E468743-20200116

VDE Zeichengenehmigung
Approval ID: 40054231

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	690 V	35 A	-	-

VDE Zeichengenehmigung
Approval ID: 40054228

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	500 V	32 A	-	-

Classifications

ECLASS

ECLASS-13.0	27440605
ECLASS-15.0	27440605

ETIM

ETIM 10.0	EC002560

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	Triphenyl phosphate(CAS: 115-86-6)
SCIP	070b37d0-d010-496e-8c58-671f1b9fccc5

EF3.1 Climate Change

CO2e kg	0.562 kg CO2e

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com