PRC 5-TC-FS6 8-21 - Test plug

1621325

https://www.phoenixcontact.com/us/products/1621325

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PRC test plug, 2000 plug cycles, can be released by hand, black, 5-pos., 1.5 mm^2 ... 6 mm^2 / 690 V / 35 A, with screw connection for cables with an outside diameter of 8 mm ... 21 mm.

Your advantages

- Up to 75% smaller in size than industrial connectors with the same rating
- Locking mechanism can be unlocked manually or using a tool
- Suitable for applications in atmospheres containing salt and in direct sunlight
- Ideal for indoor and outdoor use due to weatherproof materials

Commercial data

Item number	1621325
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB03
Product key	ABLCZA
GTIN	4046356914727
Weight per piece (including packing)	104 g
Weight per piece (excluding packing)	90.496 g
Customs tariff number	85366990
Country of origin	PL

Technical data

Notes

Order information:	Manually releasable version with orange release latch

Product properties

Product type	Installation connector
Product family	PRC 35
Number of positions	5
Connection profile	4+PE
Coding	AD

Insulation characteristics

Protection class	II
Degree of pollution	2

Electrical properties

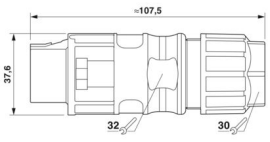
Rated voltage (III/2)	690 V
Rated voltage	690 V AC (III/2) in accordance with IEC 61984
	500 V AC / DC (III/2) in accordance with IEC 61535
	600 V AC / DC (III/2) in accordance with UL 2238 / UL 2237
Rated surge voltage (III/2)	8 kV
Rated current	35 A (with 6 mm² conductor cross-section)

Connection data

Connection technology

Connection method	Screw connection

Dimensions

Dimensional drawing	
Width	37.6 mm
Height	37.6 mm
Length	105 mm

External dimensions

Outside diameter	8 mm ... 21 mm

Material specifications

Color (Housing)	black (RAL 9005)
Color of the housing part	black

Material Seal	EPDM
Material Contact carrier	PPE
Material Housing	PPE
Material Contact	Cu alloy
Flammability rating according to UL 94	V0
Material of grip body	PPE
Cable seal material	EPDM
Contact surface material	silver-plated
O-ring material	EPDM
Material for screw connection	PPE

Connector

Pull-out-force	175 N ±50 N

Cable/line

External cable diameter	8 mm ... 21 mm

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	2000 (Number of device plug mating cycles: 100)
Insertion force	40 N ±10 N

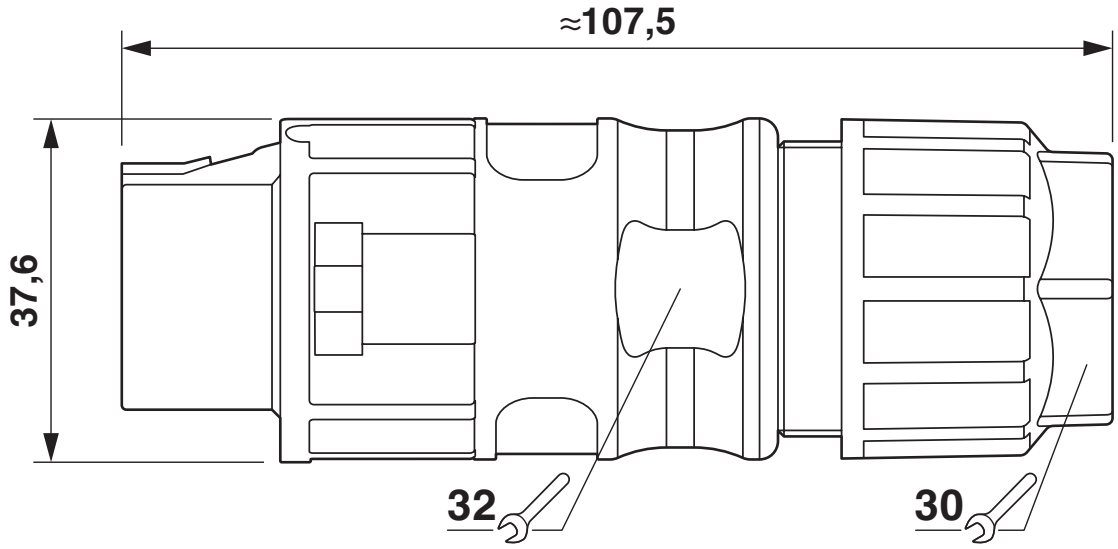
Environmental and real-life conditions

Ambient conditions

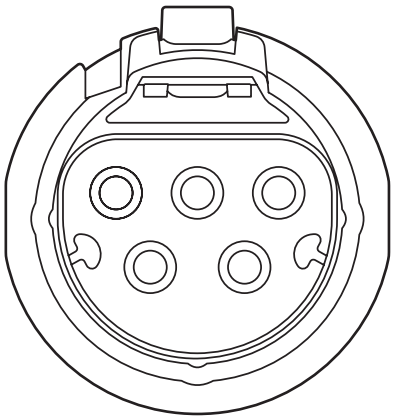
Degree of protection (when plugged in)	IP66/IP68 (2 m / 24 h) IP69K
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	IP66/IP68 (2 m / 24 h) IP69K
Category of shock impact	IK08 (-25°C)
Ambient temperature (operation)	-40 °C ... 105 °C (dependent on the derating curve)
Ambient temperature (storage/transport)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

Drawings

Dimensional drawing



Schematic diagram



Connector pin assignment

Classifications

ECLASS

ECLASS-13.0	27440691
ECLASS-15.0	27440691

ETIM

ETIM 10.0	EC002863

UNSPSC

UNSPSC 21.0	39121400

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	f1e46c7b-e4a0-40ac-b535-8c482a2624f6

EF3.1 Climate Change

CO2e kg	1.16 kg CO2e

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