PHŒNIX CONTACT

Test plugs - PRC 3-TC-FS6 8-21 - 1621326

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)

PRC test plug, 2000 plug cycles, black, can be released by hand, 3-pos., 1.5 mm² ... 6 mm² / 690 V / 35 A, with screw connection for cables with an outside diameter of 8 mm ... 21 mm.

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	4 046356 914734
GTIN	4046356914734

Technical data

General data

Number of positions	3
Protection class	II
Color	black
Locking type	Snap-in locking
Insertion/withdrawal cycles	2000 ()
Pull-out-force	150 N ± 50 N
Insertion force	30 N ±10 N
Degree of protection (when plugged in)	IP66 / IP68 (2m / 24h) / IP69K
Width	37.6 mm
Height	37.6 mm
Length	105 mm

Connection data

Rated current	35 A (with 6 mm² conductor cross section)
Rated voltage (III/2)	690 V
Stripping length	12 mm
Torque	1 Nm
Type of contact	Socket

Test plugs - PRC 3-TC-FS6 8-21 - 1621326

Technical data

Connection data

Stripping length of the sheath	50 mm
Conductor cross section flexible, with ferrule without plastic sleeve min.	1.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	6 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	1.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	6 mm²
Conductor cross section solid min.	1.5 mm²
Conductor cross section solid max.	6 mm²
Conductor cross section flexible min.	4 mm²
Conductor cross section flexible max.	6 mm²
Connection method	Screw connection
Degree of protection	IP66 / IP68 (2m / 24h) / IP69K
Insertion force	30 N ±10 N
Stripping length of the individual wire	12 mm
Overvoltage category	III
Insulating material group	I / CTI 600
Pull-out-force	150 N ± 50 N
Cable diameter1	8 mm ... 21 mm

Material data

Contact material	Cu alloy
Contact surface material	silver-plated
Contact carrier material	PPE
Material of grip body	PPE
Housing material	PPE
Seal material	EPDM
O-ring material	EPDM
Cable seal material	EPDM
Cable gland material	PPE
Color of the housing part	black
Knurl material	PPE

Standards and Regulations

Halogen-free	yes
Flammability rating according to UL 94	V0
Safety note	• WARNING: Commission properly functioning products only. The products must be regularly inspected for damage. Decommission defective products immediately. Replace damaged products. Repairs are not possible.
	• WARNING: Only electrically qualified personnel may install and operate the product. They must observe the following safety notes. The qualified personnel must be familiar with the basics of electrical engineering. They must be able to recognize and prevent danger. The relevant symbol on the packaging indicates that only personnel familiar with electrical engineering are allowed to install and operate the product.

Test plugs - PRC 3-TC-FS6 8-21 - 1621326

Technical data

Standards and Regulations

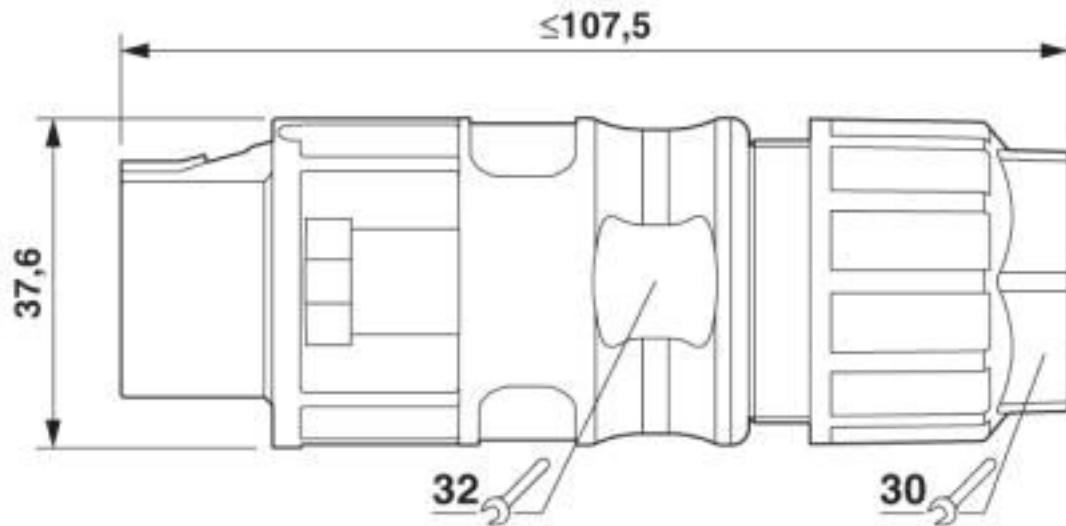|	
	WARNING: The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper use may damage persons and/or property.
	• Assembled products may not be manipulated or improperly opened.
	• Only use mating connectors that are specified in the technical data of the standards listed (e.g. the ones listed in the product accessories online at phoenixcontact.com/products).
	• When using the product in direct connection with third-party manufacturers, the user is responsible.
	• For operating voltages > 50 V AC, conductive connector housings must be grounded
	• Ensure that the protective or functional ground has been properly connected.
	• VDE 0100/1.97 § 411.1.3.2 and DIN EN 60 204/11.98 § 14.1.3 are applicable when combining several circuits in a cable and/or connector
	• Observe the corresponding technical data. You will find information: o On the product o On the packing label o In the supplied documentation o Online at phoenixcontact.com/products under the product
	• Only use tools recommended by Phoenix Contact
	• The installation notes/Design In documents online on the download page at phoenixcontact.com/products must be observed for this product.
	• Use a protective cap to protect connectors that are not in use. The suitable accessories are available online in the accessory section of the product at phoenixcontact.com/products
	• Operate the connector only when it is fully plugged in.
	• Operate the connector only when it is fully plugged in and interlocked.
	• Ensure that when laying the cable, the tensile load on the connectors does not exceed the upper limit specified in the standards.
	• Observe the minimum bending radius of the cable. Lay the cable without twisting it.
	• The connector warms up in normal operation. Depending on the ambient conditions, the surface of the connector can continue to warm up. In this case, the user is responsible for posting warnings (e.g. DIN EN ISO 13732-1:2008-12).

Environmental Product Compliance

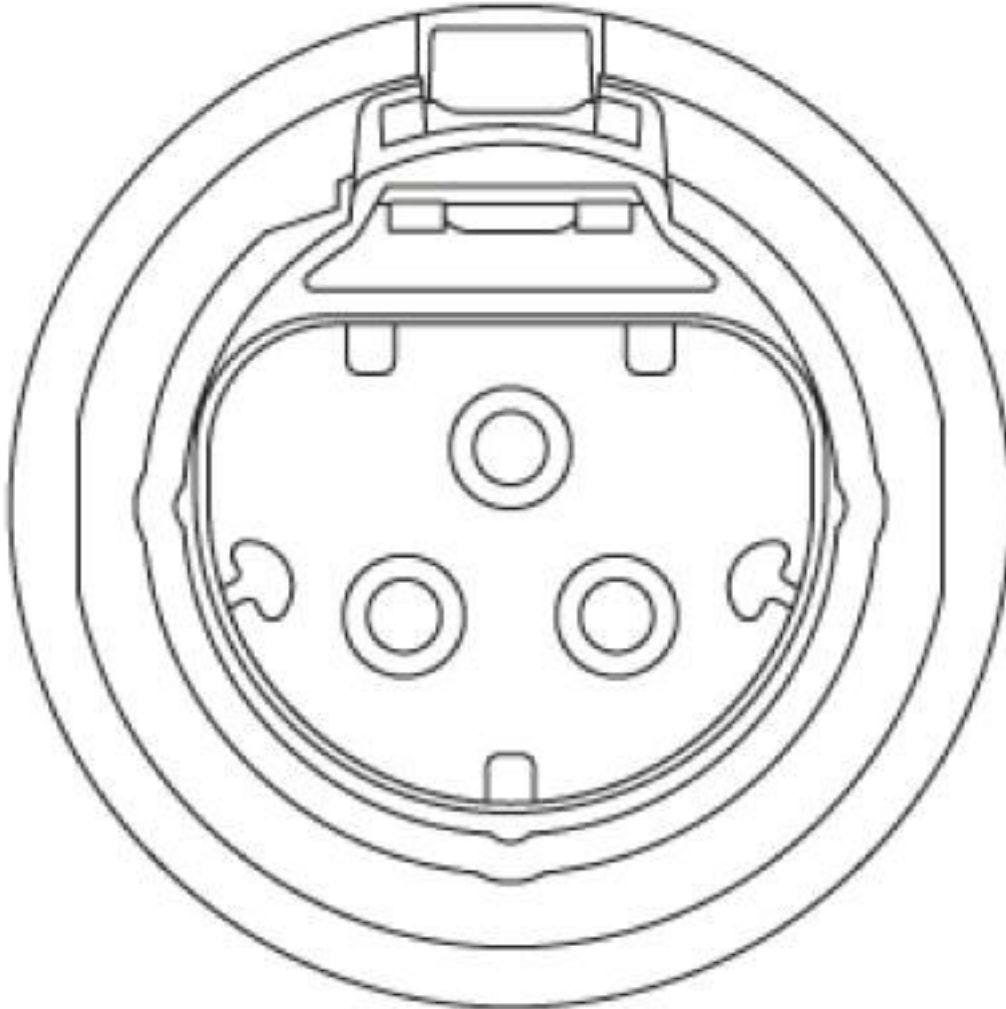|	
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Test plugs - PRC 3-TC-FS6 8-21 - 1621326

Dimensional drawing

PHŒNIX CONTACT

Test plugs - PRC 3-TC-FS6 8-21 - 1621326

Schematic diagram

Connector pin assignment

Classifications

eCl@ss

eCl@ss 10.0.1	27440109
eCl@ss 5.1	27141100
eCl@ss 6.0	27141100
eCl@ss 7.0	27141148
eCl@ss 8.0	27440102
eCl@ss 9.0	27440103

ETIM

ETIM 4.0	EC002255

Test plugs - PRC 3-TC-FS6 8-21 - 1621326

Classifications

ETIM

ETIM 5.0	EC002061
ETIM 6.0	EC002061
ETIM 7.0	EC002555

UNSPSC

UNSPSC 13.2	20122006
UNSPSC 18.0	39121413
UNSPSC 19.0	39121413
UNSPSC 20.0	39121413
UNSPSC 21.0	39121413

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC	EAC	B.01687

Accessories

Accessories

Protective cover

Protective cap - PRC COVER F - 1409236

Protective cover, Range of articles: PRC, Protective cap, housing material: PPE, color: black. Suitable for couplings (FS)

Screwdriver tools

Test plugs - PRC 3-TC-FS6 8-21 - 1621326

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

Universal tools

Tool - UNIFOX-WRENCH - 1212835

Screw pliers, with fast adjustment, for wrench size 10 mm ... 36 mm, size: 260 mm

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Phoenix Contact](#):
  [1621326](#)