

# FTPR-2/4 - Test plug

3001681

<https://www.phoenixcontact.com/us/products/3001681>

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Test plug, Freely configurable, with twist grip, nom. voltage: 400 V, nominal current: 24 A, Rated cross section: 2.5 mm<sup>2</sup>, color: gray



The figure shows the standard item

## Your advantages

- Easy and time saving, thanks to functional grouping of switching operations
- Cost-effective, thanks to the tailored, modular design and use of standardized CLIPLINE complete accessories
- Space saving, thanks to offset test socket arrangement
- Safe, thanks to guided operation with patented twist grip
- The integrated, robust switch contact is designed for the most stringent demands, and the use of high-quality materials ensures the transmission of signal currents, even after multiple actuations
- Maximum safety with leading and automatic transformer short circuit
- The automatically generated transformer short circuit and the shock-proof design ensure the highest degree of safety during measurement

## Commercial data

Item number	3001681
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	BE6112
GTIN	4046356962933
Weight per piece (including packing)	374.9 g
Weight per piece (excluding packing)	99.99 g
Country of origin	PL

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## Technical data

### Product properties

Product type	Test plug terminal block
Number of positions	4
Pitch	8.2 mm
Number of rows	1
Potentials	4

### Insulation characteristics

Overvoltage category	III
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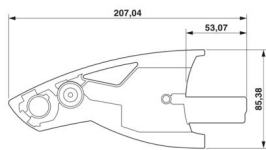
### Electrical properties

Rated surge voltage	4 kV
Maximum power dissipation for nominal condition	1.31 W
Test surge voltage	5 kV

### Connection data

Nominal cross section	6 mm <sup>2</sup>
Test socket torque	0.5
Note	The conductor cross-section depends on the cable lug used
Conductor cross-section flexible	0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section, flexible [AWG]	20 ... 14 (converted acc. to IEC)
Nominal cross section	2.5 mm <sup>2</sup>
Nominal current	24 A
Maximum load current	24 A
Nominal voltage	400 V AC/DC

### Dimensions

Dimensional drawing	
Width	65.2 mm
Height	86 mm
Pitch	8.2 mm

### Material specifications

Color	gray (RAL 7042)
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA

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## Mechanical properties

### Mechanical data

Open side panel	No
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## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-60 °C ... 85 °C
Ambient temperature (storage/transport)	-25 °C ... 55 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (storage/transport)	30 % ... 70 %

## Mounting

Mounting type	Insertion in base strip
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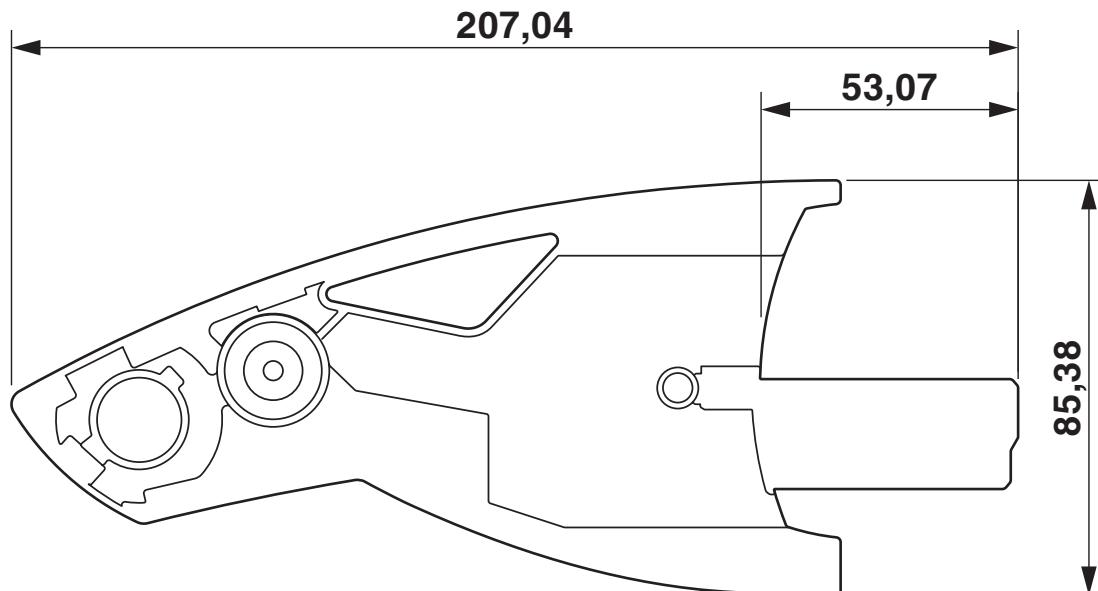
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## Drawings

Dimensional drawing



Circuit diagram



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## Classifications

### ECLASS

ECLASS-13.0	27250304
ECLASS-15.0	27250304

### ETIM

ETIM 9.0	EC002555
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
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