

# PTRE 6-2/10 - Plug-in test socket



3069855

<https://www.phoenixcontact.com/us/products/3069855>

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 documentation. Our general terms of use for downloads are valid.



Plug-in test socket, nom. voltage: 400 V, number of connections: 20, number of positions: 10, connection method: Push-in connection, Rated cross section: 6 mm<sup>2</sup>, 1 level, cross section: 0.5 mm<sup>2</sup> - 10 mm<sup>2</sup>, mounting type: NS 35/7,5, color: gray

## Your advantages

- Space saving, thanks to compact, modular plug-in test sockets
- Cost-effective, thanks to the tailored, modular design and use of standardized CLIPLINE complete accessories
- 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

## Commercial data

Item number	3069855
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BE06
Product key	BE6112
GTIN	4046356962278
Weight per piece (including packing)	335.7 g
Weight per piece (excluding packing)	335.7 g
Customs tariff number	85369010
Country of origin	PL

# PTRE 6-2/10 - Plug-in test socket



3069855

<https://www.phoenixcontact.com/us/products/3069855>

## Technical data

### Product properties

Product type	Test terminal strip
Product family	FAME 2
Number of positions	10
Pitch	8.2 mm
Number of connections	20
Number of rows	1
Potentials	10

### Insulation characteristics

Overvoltage category	III
----------------------	-----

### Electrical properties

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

### Connection data

Number of connections per level	20
Nominal cross section	6 mm <sup>2</sup>

#### 1 level

Connection method	Push-in connection
Stripping length	12 mm
Internal cylindrical gage	A5
Connection in acc. with standard	IEC 60947-7-1
Conductor cross-section rigid	0.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>
Cross section AWG	20 ... 8 (converted acc. to IEC)
Conductor cross-section flexible	0.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>
Conductor cross-section, flexible [AWG]	20 ... 10 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>
Flexible conductor cross-section (ferrule with plastic sleeve)	0.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Nominal cross section	6 mm <sup>2</sup>
Maximum load current	30 A (with 6 mm <sup>2</sup> conductor cross-section)
Nominal voltage	400 V AC/DC

#### 1 level Connection cross sections directly pluggable

Conductor cross-section rigid	1 mm <sup>2</sup> ... 10 mm <sup>2</sup>
Conductor cross-section flexible (ferrule without plastic sleeve)	1 mm <sup>2</sup> ... 6 mm <sup>2</sup>
Flexible conductor cross-section (ferrule with plastic sleeve)	1 mm <sup>2</sup> ... 6 mm <sup>2</sup>

# PTRE 6-2/10 - Plug-in test socket



3069855

<https://www.phoenixcontact.com/us/products/3069855>

## Dimensions

Width	114.1 mm
Height	99.7 mm
Depth	56.5 mm
Depth on NS 35/7,5	61.8 mm
Depth on NS 35/15	69.3 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
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	125 °C
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3
Calorimetric heat release NFPA 130 (ASTM E 1354)	27,5 MJ/kg
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed

## Mechanical properties

### Mechanical data

Open side panel	No
-----------------	----

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (storage/transport)	-25 °C ... 60 °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 %

## Standards and regulations

Connection in acc. with standard	IEC 60947-7-1
----------------------------------	---------------

## Mounting

Mounting type	NS 35/7,5
---------------	-----------

# PTRE 6-2/10 - Plug-in test socket



3069855

<https://www.phoenixcontact.com/us/products/3069855>

## Drawings

### Circuit diagram



# PTRE 6-2/10 - Plug-in test socket





3069855


<https://www.phoenixcontact.com/us/products/3069855>


## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3069855>

 <b>CSA</b> Approval ID: 13631				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
B	600 V	20 A	20 - 8	-
C	600 V	20 A	20 - 8	-

 <b>EAC</b> Approval ID: RU C-DE.BL08.B.00682				
---	--	--	--	--

 <b>cULus Recognized</b> Approval ID: E60425				
--	--	--	--	--

 <b>cULus Recognized</b> Approval ID: E60425				
--	--	--	--	--

# PTRE 6-2/10 - Plug-in test socket



3069855

<https://www.phoenixcontact.com/us/products/3069855>

## Classifications

### ECLASS

ECLASS-13.0	27250304
ECLASS-15.0	27250304

### ETIM

ETIM 10.0	EC002555
-----------	----------

### UNSPSC

UNSPSC 21.0	39121400
-------------	----------

# PTRE 6-2/10 - Plug-in test socket



3069855

<https://www.phoenixcontact.com/us/products/3069855>

## 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.)	No substance above 0.1 wt%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

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