

# QP 1,5/12 - Plug

3051218

<https://www.phoenixcontact.com/us/products/3051218>



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, nom. voltage: 500 V, nominal current: 17.5 A, number of positions: 12, connection method: Quick connection, 1 level, Rated cross section: 1.5 mm<sup>2</sup>, cross section: 0.25 mm<sup>2</sup>- 1.5 mm<sup>2</sup>, color: gray

## Your advantages

- Just like the basic terminal blocks, the plugs also offer the right connection technology for every application
- The conductor is connected using the familiar IDC connection with no stripping, therefore saving time
- Tested for railway applications
- The QP 1,5/... fast connector plug is designed for the connection of solid and stranded conductors

## Commercial data

Item number	3051218
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BE03
Product key	BE3144
GTIN	4046356083058
Weight per piece (including packing)	46.85 g
Weight per piece (excluding packing)	46.85 g
Customs tariff number	85366990
Country of origin	TR

## Technical data

### Product properties

Product type	Terminal plug
Number of positions	12
Pitch	5.2 mm

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Electrical properties

Rated surge voltage	6 kV
---------------------	------

### Connection data

Nominal cross section	1.5 mm <sup>2</sup>
-----------------------	---------------------

#### 1 level

Connection method	Quick connection
Material wire insulation	PVC / PE
Connection in acc. with standard	IEC 61984
Conductor cross-section rigid	0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Cross section AWG	24 ... 16 (converted acc. to IEC)
Conductor cross-section flexible	0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section, flexible [AWG]	24 ... 16 (converted acc. to IEC)
Cross section, sensor conductors	0.25 mm <sup>2</sup> ... 0.34 mm <sup>2</sup>
Nominal cross section	1.5 mm <sup>2</sup>
Nominal current	17.5 A
Maximum load current	17.5 A (with 1.5 mm <sup>2</sup> conductor cross-section)
Nominal voltage	500 V

### Dimensions

Width	62.4 mm
Height	40 mm
Length	20 mm
Pitch	5.2 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
Relative insulation material temperature index (Elec., UL 746 B)	125 °C
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3

# QP 1,5/12 - Plug



3051218

<https://www.phoenixcontact.com/us/products/3051218>

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)	28 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

## Environmental and real-life conditions

### Ambient conditions

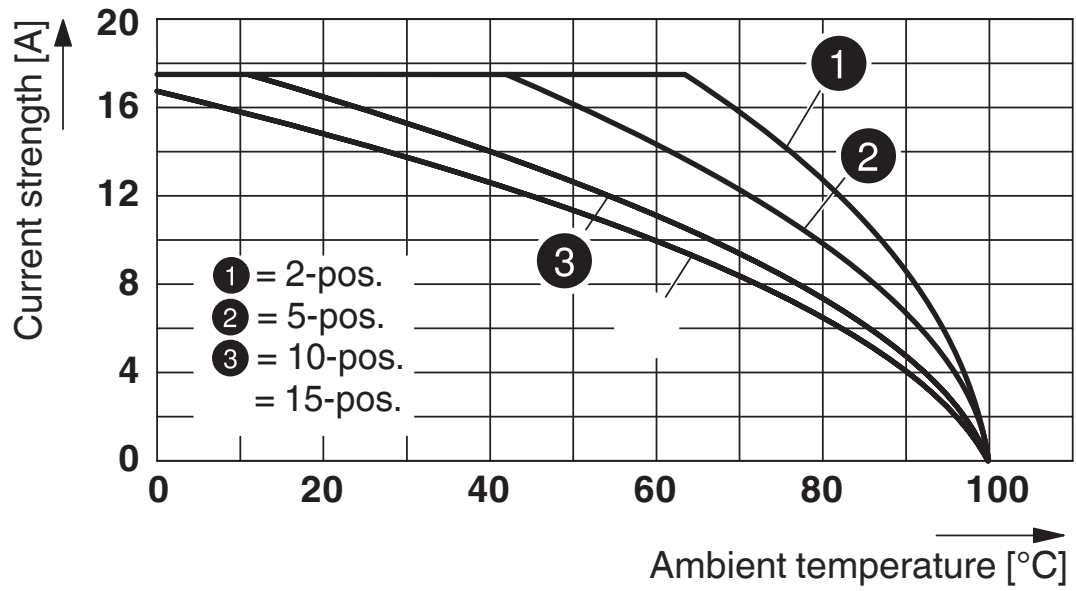
Ambient temperature (operation)	-60 °C ... 105 °C (max. short-term operating temperature RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (storage/transport)	30 % ... 70 %

## Standards and regulations

Connection in acc. with standard	IEC 61984
----------------------------------	-----------

## Drawings

Diagram



Circuit diagram



# QP 1,5/12 - Plug

3051218

<https://www.phoenixcontact.com/us/products/3051218>



## Classifications

### UNSPSC

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

# QP 1,5/12 - Plug

3051218

<https://www.phoenixcontact.com/us/products/3051218>



## 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%
-------------------------------------	----------------------------

### EF3.1 Climate Change

CO2e kg	0.513 kg CO2e
---------	---------------

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)