

# QP 1,5/10 - Plug

3051195

<https://www.phoenixcontact.com/us/products/3051195>



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: 10, 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

- The conductor is connected using the familiar IDC connection with no stripping, therefore saving time
- Just like the basic terminal blocks, the plugs also offer the right connection technology for every application
- 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	3051195
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BE03
Product key	BE3144
Catalog page	Page 288 (C-1-2019)
GTIN	4046356083034
Weight per piece (including packing)	39.637 g
Weight per piece (excluding packing)	39.637 g
Customs tariff number	85366990
Country of origin	TR

# QP 1,5/10 - Plug

3051195

<https://www.phoenixcontact.com/us/products/3051195>



## Technical data

### Product properties

Product type	Terminal plug
Number of positions	10
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

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 current	17.5 A
Maximum load current	17.5 A (with 1.5 mm <sup>2</sup> conductor cross section)
Nominal voltage	500 V
Nominal cross section	1.5 mm <sup>2</sup>

### Dimensions

Width	52 mm
Height	40 mm
Length	20 mm
Pitch	5.2 mm

### Material specifications

Color	gray
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
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3

# QP 1,5/10 - Plug

3051195

<https://www.phoenixcontact.com/us/products/3051195>



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
----------------------------------	-----------

# QP 1,5/10 - Plug

3051195

<https://www.phoenixcontact.com/us/products/3051195>

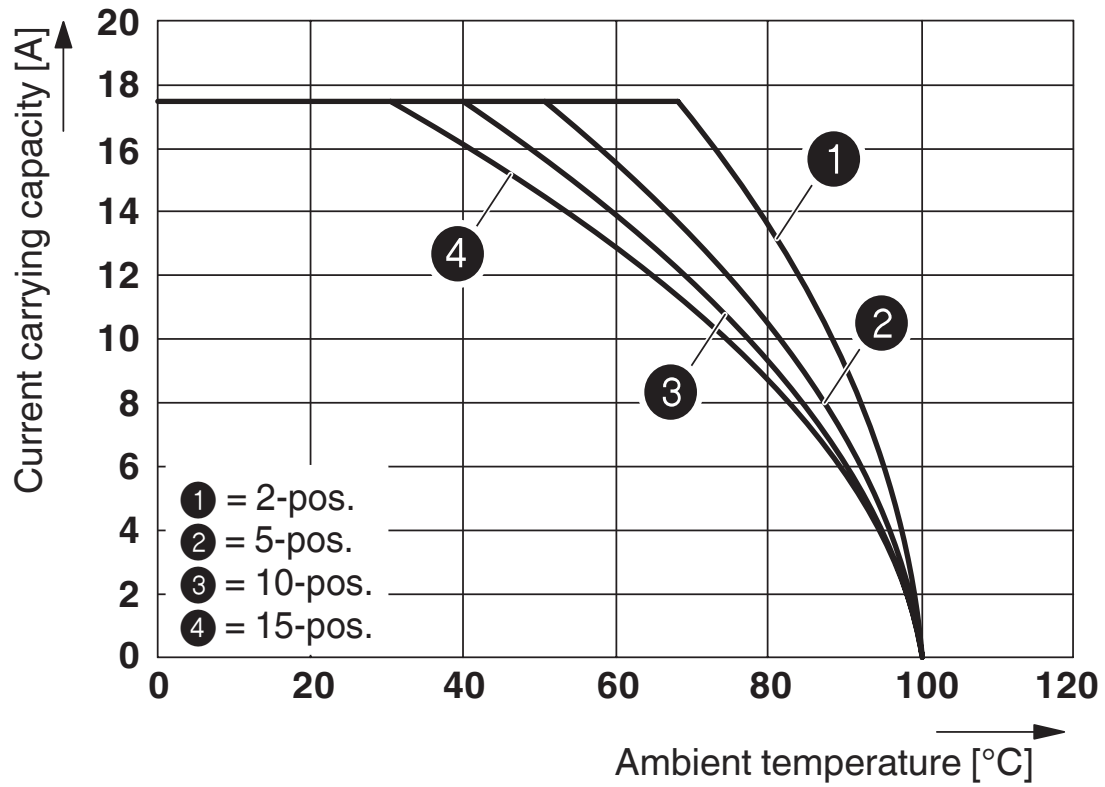


## Drawings

### Circuit diagram



Diagram



The figure shows the derating curve of the QTC 1,5/ 1P... terminal block in connection with the QP 1,5 plug

# QP 1,5/10 - Plug

3051195

<https://www.phoenixcontact.com/us/products/3051195>



## Classifications

### ECLASS

ECLASS-11.0	27141151
-------------	----------

### ETIM

ETIM 8.0	EC002021
----------	----------

### UNSPSC

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

# QP 1,5/10 - Plug

3051195  
<https://www.phoenixcontact.com/us/products/3051195>



## Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Phoenix Contact 2024 © - 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)