QP 1,5/ 5 - Plug

3051140

https://www.phoenixcontact.com/us/products/3051140

Plug, nom. voltage: 500 V, nominal current: 17.5 A, number of positions: 5, connection method: Quick connection, 1 level, Rated cross section: 1.5 mm^2, cross section: 0.25 mm^2- 1.5 mm^2, 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

• The QP 1,5/... fast connector plug is designed for the connection of solid and stranded conductors

• Tested for railway applications

Commercial data

Item number	3051140
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BE03
Product key	BE3144
Catalog page	Page 288 (C-1-2019)
GTIN	4046356082983
Weight per piece (including packing)	19.97 g
Weight per piece (excluding packing)	19.97 g
Customs tariff number	85366990
Country of origin	TR

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Technical data

Product properties

Product type	Terminal plug
Number of positions	5

Data management status

Article revision	05

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	6 kV

Connection data

Nominal cross section	1.5 mm²

1 level

Material wire insulation	PVC / PE
Connection in acc. with standard	IEC 61984
Conductor cross section rigid	0.25 mm² ... 1.5 mm²
Cross section AWG	24 ... 16 (converted acc. to IEC)
Conductor cross section flexible	0.25 mm² ... 1.5 mm²
Conductor cross section, flexible [AWG]	24 ... 16 (converted acc. to IEC)
Cross section, sensor conductors	0.25 mm² ... 0.34 mm²
Nominal current	17.5 A
Maximum load current	17.5 A (with 1.5 mm² conductor cross section)
Nominal voltage	500 V
Nominal cross section	1.5 mm²

Dimensions

Width	5.2 mm
Height	40.8 mm
Length	59.8 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))	130 °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
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

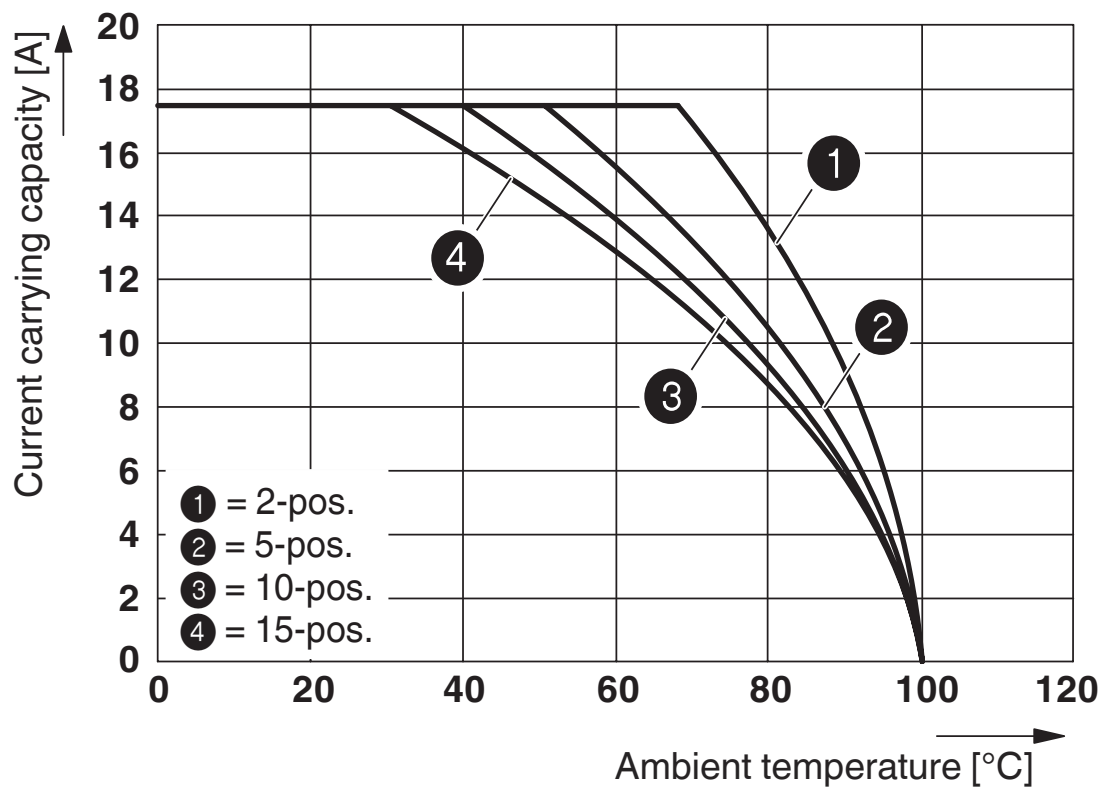### Ambient conditions

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

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Drawings

Diagram

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

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Circuit diagram

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Classifications

ECLASS

ECLASS-11.0	27141151

ETIM

ETIM 8.0	EC002021

UNSPSC

UNSPSC 21.0	39121400

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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%