

QP 1,5/ 7 - Plug

3051166

<https://www.phoenixcontact.com/us/products/3051166>



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Plug, nom. voltage: 500 V, nominal current: 17.5 A, number of positions: 7, connection method: Quick connection, 1 level, Rated cross section: 1.5 mm², cross section: 0.25 mm²- 1.5 mm², 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	3051166
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BE03
Product key	BE3144
GTIN	4046356083003
Weight per piece (including packing)	27.364 g
Weight per piece (excluding packing)	27.364 g
Customs tariff number	85366990
Country of origin	TR

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Technical data

Product properties

Product type	Terminal plug
Number of positions	7
Pitch	5.2 mm

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	6 kV
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Connection data

Nominal cross section	1.5 mm ²
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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 ² ... 1.5 mm ²
Cross section AWG	24 ... 16 (converted acc. to IEC)
Conductor cross-section flexible	0.25 mm ² ... 1.5 mm ²
Conductor cross-section, flexible [AWG]	24 ... 16 (converted acc. to IEC)
Cross section, sensor conductors	0.25 mm ² ... 0.34 mm ²
Nominal cross section	1.5 mm ²
Nominal current	17.5 A
Maximum load current	17.5 A (with 1.5 mm ² conductor cross-section)
Nominal voltage	500 V

Dimensions

Width	36.4 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

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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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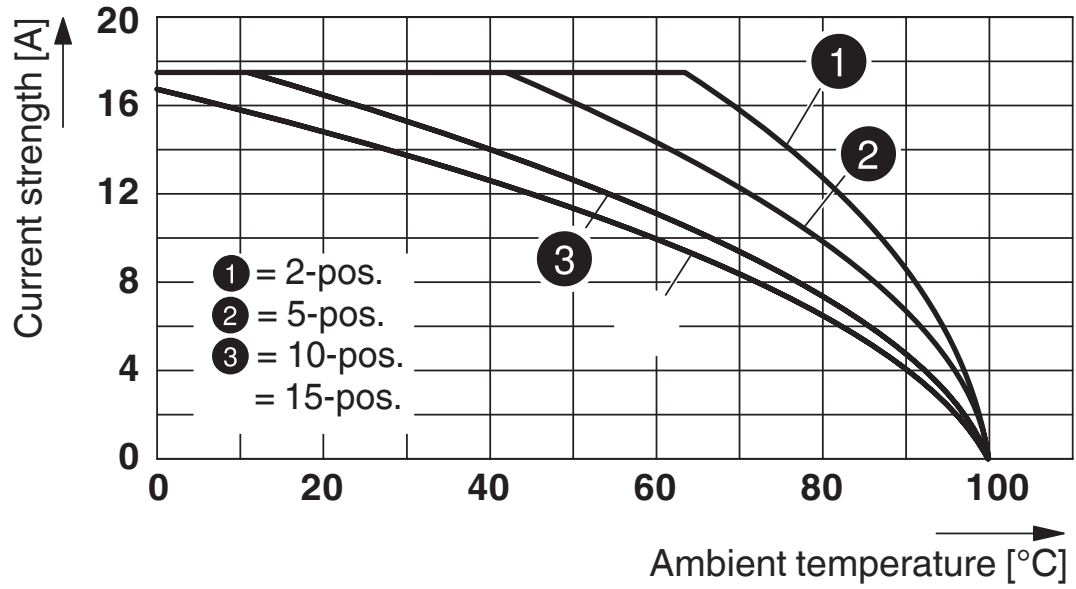
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Drawings

Diagram



Circuit diagram



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Classifications

UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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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%
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EF3.1 Climate Change

CO2e kg	0.3 kg CO2e
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