

# QTC 1,5 OG - Feed-through terminal block



3206267

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Feed-through terminal block, nom. voltage: 800 V, nominal current: 17.5 A, number of connections: 2, connection method: Quick connection, 1 level, cross section: 0.25 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/7,5, color: orange

## Commercial data

Item number	3206267
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE03
Product key	BE3111
GTIN	4017918932725
Weight per piece (including packing)	8.42 g
Weight per piece (excluding packing)	8.4 g
Customs tariff number	85369010
Country of origin	CN

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## Technical data

### Product properties

Product type	Feed-through terminal block
Number of connections	2
Number of rows	1
Potentials	1

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	1.02 W

### Connection data

Number of connections per level	2
Frequency of connections with the same cross section	100

#### 1 level

Connection method	Quick connection
Material wire insulation	PVC / PE
Connection in acc. with standard	IEC 60947-7-1
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	800 V

### Ex data

#### Rated data (ATEX/IECEx)

Identification	⊕ II 2 GD Ex eb IIC Gb
Operating temperature range	-45 °C ... 90 °C
Ex-certified accessories	3205161 D-QTC 1,5 3206209 ATP-QTC 1204517 SZF 1-0,6X3,5 3022276 CLIPFIX 35-5 3022218 CLIPFIX 35
List of bridges	Plug-in bridge / FBS 2-5 / 3030161 Plug-in bridge / FBS 3-5 / 3030174

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	Plug-in bridge / FBS 4-5 / 3030187
	Plug-in bridge / FBS 5-5 / 3030190
	Plug-in bridge / FBS 10-5 / 3030213
	Plug-in bridge / FBS 20-5 / 3030226
Bridge data	16.5 A (1.5 mm <sup>2</sup> )
Ex temperature increase for bridging with bridge	40 K (18.6 A / 1.5 mm <sup>2</sup> )
- At bridging between non-adjacent terminal blocks	550 V
- At cut-to-length bridging with cover	352 V
- At cut-to-length bridging with partition plate	220 V
Rated insulation voltage	275 V
output	500 V
	(Permanent)

## Ex level General

Rated voltage	550 V
Rated current	16.5 A
Maximum load current	16.5 A
Contact resistance	1 mΩ

## Ex connection data General

Nominal cross section	1.5 mm <sup>2</sup>
Rated cross section AWG	16
Connection capacity rigid	0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Connection capacity AWG	24 ... 16
Connection capacity flexible	0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Connection capacity AWG	24 ... 16
Frequency of connections with the same cross section	100

## Dimensions

Width	5.2 mm
End cover width	2.2 mm
Height	58.8 mm
Depth on NS 35/7,5	39.3 mm
Depth on NS 35/15	46.8 mm

## Material specifications

Color	orange (RAL 2003)
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA

## Cable/line

Wire diameter incl. insulation	3 mm
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## Mechanical properties

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## Mechanical data

Open side panel	Yes
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## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see 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 (operation)	20 % ... 90 %
Permissible humidity (storage/transport)	30 % ... 70 %

## Standards and regulations

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

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

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## Approvals


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 <b>CSA</b> Approval ID: 158887				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
B	600 V	10 A	24 - 16	-
C	600 V	10 A	24 - 16	-


 <b>EAC</b> Approval ID: RU C-DE.BL08.B.00539				
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 <b>cULus Recognized</b> Approval ID: E60425				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
B	600 V	10 A	24 - 16	-
C	600 V	10 A	24 - 16	-

<b>DNV</b> Approval ID: TAE000014H				
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 <b>EAC Ex</b> Approval ID: KZ 7500525010101950				
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 <b>IECEX</b> Approval ID: IECEXKIWA19.0011U				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
keine	550 V	16.5 A	-	0.25 - 1.5

 <b>ATEX</b> Approval ID: KIWA19ATEX0019U				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
keine	550 V	16.5 A	-	0.25 - 1.5
Type examination certificate	550 V	16.5 A	-	0.25 - 1.5

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**CCC**

Approval ID: 2020322313000625



**UKCA-EX**

Approval ID: CSAE 22UKEX1429U

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## Classifications

### ECLASS

ECLASS-13.0

27250101

### ETIM

ETIM 9.0

EC000897

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