

QTC 1,5 RD - Feed-through terminal block



3206254

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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 mm² - 1.5 mm², mounting type: NS 35/7,5, NS 35/7,5, color: red

Commercial data

Item number	3206254
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE03
Product key	BE3111
GTIN	4017918932732
Weight per piece (including packing)	8.58 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 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 current	17.5 A
Maximum load current	17.5 A (with 1.5 mm ² 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 ²)
Ex temperature increase for bridging with bridge	40 K (18.6 A / 1.5 mm ²)
- 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 ²
Rated cross section AWG	16
Connection capacity rigid	0.25 mm ² ... 1.5 mm ²
Connection capacity AWG	24 ... 16
Connection capacity flexible	0.25 mm ² ... 1.5 mm ²
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	red (RAL 3001)
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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 CSA 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	-

 EAC Approval ID: RU C-DE.BL08.B.00539				
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 cULus Recognized 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	-

 EAC Ex Approval ID: KZ 7500525010101950				
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 IECEX 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

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

 CCC Approval ID: 2020322313000625				
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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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