

QTC 1,5 RD - Feed-through terminal block



3206254

<https://www.phoenixcontact.com/us/products/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 |
|--------------------------------|------|

Mechanical properties

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Mechanical data

| | |
|-----------------|-----|
| Open side panel | Yes |
|-----------------|-----|

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 |
|----------------------------------|---------------|

Mounting

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

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Approvals


To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3206254>


|  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 | | | | |
|---|--|--|--|--|
|---|--|--|--|--|

|  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 | - |

| DNV Approval ID: TAE000014H | | | | |
|---------------------------------------|--|--|--|--|
|---------------------------------------|--|--|--|--|

|  EAC Ex Approval ID: KZ 7500525010101950 | | | | |
|---|--|--|--|--|
|---|--|--|--|--|

|  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 | 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 |
|---|--------------------|

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