

AGK 10-UKH 50 - Pick-off terminal block



3001763

<https://www.phoenixcontact.com/us/products/3001763>

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Pick-off terminal block, nom. voltage: 1000 V, nominal current: 57 A, number of connections: 1, connection method: Screw connection, Rated cross section: 10 mm², cross section: 0.5 mm² - 10 mm², color: gray

Your advantages

- Large-surface marking
- The fully insulated, optionally used pick-off terminal block enables voltage pick-off
- Pick-off terminal block, for snapping into the side insertion funnel

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 3001763 |
| Packing unit | 10 pc |
| Minimum order quantity | 10 pc |
| Sales key | BE19 |
| Product key | BE1ZWX |
| GTIN | 4017918100865 |
| Weight per piece (including packing) | 14.68 g |
| Weight per piece (excluding packing) | 14.68 g |
| Customs tariff number | 85369010 |
| Country of origin | PL |

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Technical data

Product properties

| | |
|-----------------------|-------------------|
| Product type | Pick-off terminal |
| Product family | UKH |
| Number of connections | 1 |
| 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 | 1.82 W |

Connection data

| | |
|---|--|
| Number of connections per level | 1 |
| Nominal cross section | 10 mm ² |
| Connection method | Screw connection |
| Tightening torque | 1.5 ... 1.8 Nm |
| Stripping length | 10 mm |
| Internal cylindrical gage | B6 |
| Connection in acc. with standard | IEC 60947-7-1 |
| Conductor cross-section rigid | 0.5 mm ² ... 10 mm ² |
| Cross section AWG | 20 ... 8 (converted acc. to IEC) |
| Conductor cross-section flexible | 0.5 mm ² ... 10 mm ² |
| Conductor cross-section, flexible [AWG] | 20 ... 8 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.5 mm ² ... 10 mm ² |
| Flexible conductor cross-section (ferrule with plastic sleeve) | 0.5 mm ² ... 6 mm ² |
| 2 conductors with same cross section, rigid | 0.5 mm ² ... 4 mm ² |
| 2 conductors with same cross section, flexible | 0.5 mm ² ... 4 mm ² |
| 2 conductors with same cross section, flexible, with ferrule without plastic sleeve | 0.5 mm ² ... 2.5 mm ² |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm ² ... 6 mm ² |
| Nominal cross section | 10 mm ² |
| Nominal current | 57 A |
| Maximum load current | 57 A (with 10 mm ² conductor cross-section) |
| Nominal voltage | 1000 V |

Ex data

Rated data (ATEX/IECEx)

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| | |
|-----------------------------|-------------------------------------|
| Identification | Ⓜ II 2 GD Ex eb IIC Gb |
| Operating temperature range | -60 °C ... 110 °C |
| Ex-certified accessories | 1212589 SF-SL 1,0X5,5-125 S-VDE |
| Ex temperature increase | 40 K (62.7 A / 10 mm ²) |
| Rated insulation voltage | 630 V |
| output | (Permanent) |

Ex level General

| | |
|----------------------|--------|
| Rated voltage | 690 V |
| Rated current | 57 A |
| Maximum load current | 57 A |
| Contact resistance | 0.6 mΩ |

Ex connection data General

| | |
|---|--|
| Torque range | 1.5 Nm ... 1.8 Nm |
| Nominal cross section | 10 mm ² |
| Rated cross section AWG | 8 |
| Connection capacity rigid | 0.5 mm ² ... 10 mm ² |
| Connection capacity AWG | 20 ... 8 |
| Connection capacity flexible | 0.5 mm ² ... 10 mm ² |
| Connection capacity AWG | 20 ... 8 |
| 2 conductors with same cross section, solid | 0.5 mm ² ... 6 mm ² |
| 2 conductors with the same cross-section AWG rigid | 20 ... 10 |
| 2 conductors with same cross section, stranded | 0.5 mm ² ... 6 mm ² |
| 2 conductors with the same cross-section AWG flexible | 20 ... 10 |

Dimensions

| | |
|--------|---------|
| Width | 10.2 mm |
| Height | 20.7 mm |
| Depth | 34.7 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) | 130 °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 |

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

Mechanical properties

Mechanical data

| | |
|-----------------|----|
| Open side panel | No |
|-----------------|----|

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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Approvals


To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3001763>

|  CSA Approval ID: 13631 | | | | |
|--|-----------------------|-----------------------|-------------------|----------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | | | | |
| | 600 V | 65 A | 24 - 6 | - |

|  cULus Recognized Approval ID: E60425 | | | | |
|--|-----------------------|-----------------------|-------------------|----------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| B | | | | |
| | 600 V | 65 A | 24 - 6 | - |
| Multi-conductor connection | 600 V | 65 A | 20 - 10 | - |
| C | | | | |
| | 600 V | 65 A | 24 - 6 | - |
| Multi-conductor connection | 600 V | 65 A | 20 - 10 | - |

|  ATEX Approval ID: KEMA98ATEX1786U | | | | |
|---|-----------------------|-----------------------|-------------------|----------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | | | | |
| Type examination certificate | 690 V | 57 A | - | 0.5 - 10 |

|  EAC Ex Approval ID: RU C-DE.Ax07.B.03227 | | | | |
|--|--|--|--|--|
|--|--|--|--|--|

|  IECEX Approval ID: IECEXKEM06.0029U | | | | |
|---|-----------------------|-----------------------|-------------------|----------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | | | | |
| | 690 V | 57 A | - | 0.5 - 10 |

|  CCC Approval ID: 2020322313000623 | | | | |
|---|--|--|--|--|
|---|--|--|--|--|

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UKCA-EX

Approval ID: DEKRA 21UKEX0307U



EAC Ex

Approval ID: KZ 7500525010101950

UL Comp Hazloc CA US

Approval ID: UL US CA L 192998

| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
|-------|-----------------------|-----------------------|-------------------|-----------------------------|
| keine | | | | |
| | 600 V | 65 A | 24 - 6 | - |

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27250308 |
| ECLASS-15.0 | 27250308 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | 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% |
|-------------------------------------|----------------------------|

EF3.1 Climate Change

| | |
|---------|---------------|
| CO2e kg | 0.084 kg CO2e |
|---------|---------------|

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