

Feed-through terminal block - UK 35 BK - 3048315

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Feed-through terminal block, nom. voltage: 1000 V, nominal current: 125 A, connection method: Screw connection, number of connections: 2, number of positions: 1, cross section: 0.75 mm² - 50 mm², AWG: 18 - 1/0, width: 15.1 mm, color: black, mounting type: NS 35/7,5, NS 35/15, NS 32


Your advantages

- ✓ The large wiring space enables the connection of solid and stranded conductors without ferrules, even above the nominal cross section
- ✓ As well as saving space, the compact design enables user-friendly wiring in a small amount of space
- ✓ Optimum screwdriver guidance through closed screw shafts

RoHS



Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 1 pc |
| GTIN |  4 017918 954857 |
| GTIN | 4017918954857 |
| Weight per Piece (excluding packing) | 58.000 g |
| Custom tariff number | 85369010 |
| Country of origin | Germany |

Technical data

General

| | |
|--|-------|
| Number of positions | 1 |
| Number of levels | 1 |
| Number of connections | 2 |
| Color | black |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Rated surge voltage | 8 kV |

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Technical data

General

| | |
|---|---|
| Degree of pollution | 3 |
| Overvoltage category | III |
| Insulating material group | I |
| Designation | Level 1 above 1 below 1 |
| Maximum load current | 150 A (with 50 mm ² conductor cross section) |
| Nominal current I _N | 125 A |
| Nominal voltage U _N | 1000 V |
| Open side panel | No |
| Relative insulation material temperature index (Elec., UL 746 B) | 130 °C |
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 130 °C |
| Static insulating material application in cold | -60 °C |
| Behavior in fire for rail vehicles (DIN 5510-2) | Test passed |
| Flame test method (DIN EN 60695-11-10) | V0 |
| Oxygen index (DIN EN ISO 4589-2) | >32 % |
| NF F16-101, NF F10-102 Class I | 2 |
| NF F16-101, NF F10-102 Class F | 2 |
| 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 |
| Calorimetric heat release NFPA 130 (ASTM E 1354) | 28 MJ/kg |
| 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 |

Dimensions

| | |
|------------------|---------|
| Width | 15.1 mm |
| Length | 50 mm |
| Height NS 35/7,5 | 62 mm |
| Height NS 35/15 | 69.5 mm |
| Height NS 32 | 67 mm |

Connection data

| | |
|------------------------|------------------|
| Connection method | Screw connection |
| Screw thread | M6 |
| Stripping length | 16 mm |
| Tightening torque, min | 3.2 Nm |
| Tightening torque max | 3.7 Nm |

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Technical data

Connection data

| | |
|---|----------------------|
| Connection in acc. with standard | IEC 60947-7-1 |
| Conductor cross section solid min. | 0.75 mm ² |
| Conductor cross section solid max. | 50 mm ² |
| Conductor cross section AWG min. | 18 |
| Conductor cross section AWG max. | 1/0 |
| Conductor cross section flexible min. | 0.75 mm ² |
| Conductor cross section flexible max. | 35 mm ² |
| Min. AWG conductor cross section, flexible | 18 |
| Max. AWG conductor cross section, flexible | 2 |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.75 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 35 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.75 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 35 mm ² |
| 2 conductors with same cross section, solid min. | 0.75 mm ² |
| 2 conductors with same cross section, solid max. | 16 mm ² |
| 2 conductors with same cross section, stranded min. | 0.75 mm ² |
| 2 conductors with same cross section, stranded max. | 10 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.75 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 6 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.75 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 10 mm ² |
| Connection in acc. with standard | IEC/EN 60079-7 |
| Conductor cross section solid min. | 0.75 mm ² |
| Conductor cross section solid max. | 50 mm ² |
| Conductor cross section AWG min. | 18 |
| Conductor cross section AWG max. | 1 |
| Conductor cross section flexible min. | 0.75 mm ² |
| Conductor cross section flexible max. | 35 mm ² |
| Internal cylindrical gage | B9 |

Standards and Regulations

| | |
|--|---------------|
| Connection in acc. with standard | CSA |
| | IEC 60947-7-1 |
| Flammability rating according to UL 94 | V0 |
| Fire protection for rail vehicles (DIN EN 45545-2) R22 | HL 1 - HL 3 |

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Standards and Regulations

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

Environmental Product Compliance

| | |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.1 | 27141100 |
| eCl@ss 5.1 | 27141100 |
| eCl@ss 6.0 | 27141100 |
| eCl@ss 7.0 | 27141120 |
| eCl@ss 8.0 | 27141120 |
| eCl@ss 9.0 | 27141120 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC000897 |
| ETIM 3.0 | EC000897 |
| ETIM 4.0 | EC000897 |
| ETIM 5.0 | EC000897 |
| ETIM 6.0 | EC000897 |
| ETIM 7.0 | EC000897 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 30211811 |
| UNSPSC 7.0901 | 39121410 |
| UNSPSC 11 | 39121410 |
| UNSPSC 12.01 | 39121410 |
| UNSPSC 13.2 | 39121410 |

Approvals

Approvals

Feed-through terminal block - UK 35 BK - 3048315

Approvals

Approvals

DNV GL / CSA / KR / NK / UL Recognized / KEMA-KEUR / cUL Recognized / IECCEB Scheme / EAC / RS / cULus Recognized

Ex Approvals

IECEx / ATEX / UL Recognized / cUL Recognized / GL / EAC Ex / cULus Recognized

Approval details

| | | | |
|--------|--|---|------------|
| DNV GL | | https://approvalfinder.dnvgl.com/ | TAE00001CT |
|--------|--|---|------------|

| | | | |
|----------------------------|-------|---|-------|
| CSA | | http://www.csagroup.org/services-industries/product-listing/ | 13631 |
| | B | C | |
| Nominal voltage UN | 600 V | 600 V | |
| Nominal current IN | 150 A | 150 A | |
| mm ² /AWG/kcmil | 18 | 18 | |

| | | | |
|----|--|---|----------------|
| KR | | http://www.krs.co.kr/eng/main/main.aspx | HMB17372-EL001 |
|----|--|---|----------------|

| | | | |
|----|--|---|-----------|
| NK | | http://www.classnk.or.jp/hp/en/ | 09 ME 141 |
|----|--|---|-----------|

| | | | |
|----------------------------|-------|---|--------------|
| UL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 60425 |
| | B | C | |
| Nominal voltage UN | 600 V | 600 V | |
| Nominal current IN | 150 A | 150 A | |
| mm ² /AWG/kcmil | 18 | 18 | |

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| | | | |
|----------------------------|--------|---|------------|
| KEMA-KEUR | | http://www.dekra-certification.com | 2183462.02 |
| | | | |
| Nominal voltage UN | 1000 V | | |
| mm ² /AWG/kcmil | 35 | | |

| | | | |
|----------------------------|-------|---|--------------|
| cUL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 60425 |
| | B | C | |
| Nominal voltage UN | 600 V | 600 V | |
| Nominal current IN | 150 A | 150 A | |
| mm ² /AWG/kcmil | 18 | 18 | |

| | | | |
|----------------------------|--------|---|----------|
| IECEE CB Scheme | | http://www.iecee.org/ | NL-26111 |
| | | | |
| Nominal voltage UN | 1000 V | | |
| mm ² /AWG/kcmil | 35 | | |

| | | |
|-----|--|--------------------------|
| EAC | | RU C- DE.A*30.B.01742 |
|-----|--|--------------------------|

| | | | |
|----|--|---|--------------|
| RS | | http://www.rs-head.spb.ru/en/index.php | 17.00013.272 |
|----|--|---|--------------|

| | |
|------------------|--|
| cULus Recognized | |
|------------------|--|

Accessories

- Accessories
- Cover profile

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Accessories

Cover - EA 11 - 1024263



Single cover, for covering one terminal block, snap fit, cannot be labeled, color: transparent

DIN rail

DIN rail perforated - NS 32 PERF 2000MM - 1201002



DIN rail perforated, G profile, width: 32 mm, height: 15 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

DIN rail, unperforated - NS 32 UNPERF 2000MM - 1201015



DIN rail, unperforated, G profile, width: 32 mm, height: 15 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

DIN rail perforated - NS 35/ 7,5 PERF 2000MM - 0801733



DIN rail perforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

DIN rail, unperforated - NS 35/ 7,5 UNPERF 2000MM - 0801681



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

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Accessories

DIN rail perforated - NS 35/ 7,5 WH PERF 2000MM - 1204119



DIN rail perforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver

DIN rail, unperforated - NS 35/ 7,5 WH UNPERF 2000MM - 1204122



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver

DIN rail, unperforated - NS 35/ 7,5 AL UNPERF 2000MM - 0801704



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Aluminum, uncoated, length: 2000 mm, color: silver

DIN rail perforated - NS 35/ 7,5 ZN PERF 2000MM - 1206421



DIN rail perforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, length: 2000 mm, color: silver

DIN rail, unperforated - NS 35/ 7,5 ZN UNPERF 2000MM - 1206434



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, length: 2000 mm, color: silver

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Accessories

DIN rail, unperforated - NS 35/ 7,5 CU UNPERF 2000MM - 0801762



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Copper, uncoated, length: 2000 mm, color: copper-colored

End cap - NS 35/ 7,5 CAP - 1206560



DIN rail end piece, for DIN rail NS 35/7.5

DIN rail perforated - NS 35/15 PERF 2000MM - 1201730



DIN rail perforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

DIN rail, unperforated - NS 35/15 UNPERF 2000MM - 1201714



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

DIN rail perforated - NS 35/15 WH PERF 2000MM - 0806602



DIN rail perforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver

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Accessories

DIN rail, unperforated - NS 35/15 WH UNPERF 2000MM - 1204135



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver

DIN rail, unperforated - NS 35/15 AL UNPERF 2000MM - 1201756



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Aluminum, uncoated, length: 2000 mm, color: silver

DIN rail perforated - NS 35/15 ZN PERF 2000MM - 1206599



DIN rail perforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, galvanized, length: 2000 mm, color: silver

DIN rail, unperforated - NS 35/15 ZN UNPERF 2000MM - 1206586



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, galvanized, length: 2000 mm, color: silver

DIN rail, unperforated - NS 35/15 CU UNPERF 2000MM - 1201895



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Copper, uncoated, length: 2000 mm, color: copper-colored

Feed-through terminal block - UK 35 BK - 3048315

Accessories

End cap - NS 35/15 CAP - 1206573



DIN rail end piece, for DIN rail NS 35/15

DIN rail, unperforated - NS 35/15-2,3 UNPERF 2000MM - 1201798



DIN rail, unperforated, Standard profile 2.3 mm, width: 35 mm, height: 15 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

End block

End clamp - CLIPFIX 35 - 3022218



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, width: 9.5 mm, color: gray

End clamp - CLIPFIX 35-5 - 3022276



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, with parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5.15 mm, color: gray

End clamp - E/NS 35 N - 0800886



End clamp, width: 9.5 mm, color: gray

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Accessories

End clamp - E/UK - 1201442



End clamp, width: 9.5 mm, height: 35.3 mm, material: PA, length: 50.5 mm, Mounting on a DIN rail NS 32 or NS 35, color: gray

End clamp - E/UK 1 - 1201413



End clamps, for supporting the ends of double-level and three-level terminal blocks, width: 10 mm, color: gray

Insertion bridge

Insertion bridge - EB 2-15 - 0203166



Insertion bridge, pitch: 15.25 mm, number of positions: 2, color: gray

Insertion bridge - EB 10-15 - 0205135



Insertion bridge, pitch: 15.25 mm, number of positions: 10, color: gray

Insertion bridge - EB 2-15 K/UK 35 - 0205119



Insertion bridge, pitch: 15 mm, number of positions: 2, color: gray

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Accessories

Insertion bridge - EB 3-15 K/UK 35 - 0205106



Insertion bridge, pitch: 15 mm, number of positions: 3, color: gray

Insertion bridge - EB 10-15 K/UK 35 - 0205096



Insertion bridge, pitch: 15 mm, number of positions: 10, color: gray

Insulating sleeve

Insulating sleeve - PS-IH WH - 0311566



Insulating sleeve, color: white

Insulating sleeve - PS-IH RD - 0311579



Insulating sleeve, color: red

Insulating sleeve - PS-IH BU - 0311582



Insulating sleeve, color: blue

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Accessories

Insulating sleeve - PS-IH YE - 0311595



Insulating sleeve, color: yellow

Insulating sleeve - PS-IH GN - 0311605



Insulating sleeve, color: green

Insulating sleeve - PS-IH GY - 0311621



Insulating sleeve, color: gray

Insulating sleeve - PS-IH BK - 0311634



Insulating sleeve, color: black

Insulating sleeve - PS-IH VT - 0311618



Insulating sleeve, color: violet

Labeled terminal marker

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Accessories

Zack marker strip - ZB 15 CUS - 0824945



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 15.2 mm, lettering field size: 10.5 x 15.1 mm

Zack marker strip - ZB 15,LGS:L1-N,PE - 0811998



Zack marker strip, Strip, white, labeled, printed horizontally: L1, L2, L3, N, PE, mounting type: snap into tall marker groove, for terminal block width: 15.2 mm, lettering field size: 10.5 x 15.1 mm

Partition plate

Separating plate - TS-K - 1302215



Separating plate, length: 22 mm, width: 0.5 mm, height: 22 mm, color: gray

Separating plate - TP-UK 35 - 3008096



Separating plate, length: 50 mm, width: 7.5 mm, height: 52 mm, color: gray

Screw bridge

Step bracket - STL 35/10 - 0204084



Step bracket, number of positions: 2, color: silver

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Accessories

Step bracket - STL 35/ 5 - 0204107



Step bracket, pitch: 5 mm, number of positions: 2, color: silver

Step bracket - STL 35/16 - 0204097



Step bracket, number of positions: 2, color: silver

Fixed bridge - FBI 2-15 - 0201333



Fixed bridge, pitch: 15 mm, number of positions: 2, color: silver

Fixed bridge - FBI 3-15 - 0201278



Fixed bridge, pitch: 15 mm, number of positions: 3, color: silver

Fixed bridge - FBI 5-15 - 0711302



Fixed bridge, pitch: 15 mm, number of positions: 5, color: silver

Switching jumper

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Accessories

Switching jumper - SBH 2-15 - 0205232



Switching jumper, pitch: 15 mm, number of positions: 2, color: silver

Terminal marking

Zack marker strip - ZB 15:UNBEDRUCKT - 0811972



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 15.2 mm, lettering field size: 10.5 x 15.1 mm

Test plug terminal block

Test plugs - PS-MT - 0311647



Test plugs, color: silver

Test socket

Female test connector - PSB 6/5/6 - 0205290



Female test connector, color: silver

Warning label printed

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Accessories

Warning label - WS 5-15 - 1004445

Warning label, Plate, orange, labeled: Lightning flash and warning in English, mounting type: Screws, rivets, for terminal block width: 15 mm, diameter: 0 mm



Warning label - WS 4-15 - 1004241

Warning label, Plate, orange, labeled: Lightning flash and warning in English, mounting type: Screws, rivets, for terminal block width: 15 mm, diameter: 0 mm

