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# Feed-through terminal block - UK 35 - 3008012

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Feed-through terminal block, Connection method: Screw connection, Cross section: 0.75 mm<sup>2</sup> - 50 mm<sup>2</sup>, AWG: 18 - 0/1, Width: 16 mm, Color: gray, Mounting type: NS 35/7.5, NS 35/15, NS 32



## Key commercial data

|                        |   |
|------------------------|---|
| Packing unit           | 1   |
| Minimum order quantity | 50  |
| Catalog page           | Page 213 (CL-2005)  |
| GTIN                   | <br>4 017918 091552 |
| Custom tariff number   | 85369010  |
| Country of origin      | GERMANY   |

## Technical data

### General

|   |      |
|---|------|
| Number of levels                        | 1    |
| Number of connections                   | 2    |
| Color                                   | gray |
| Insulating material                     | PA   |
| Inflammability class according to UL 94 | V0   |

### Dimensions

|                  |         |
|------------------|---------|
| Width            | 16 mm   |
| Length           | 50 mm   |
| Height NS 35/7,5 | 62 mm   |
| Height NS 35/15  | 69.5 mm |
| Height NS 32     | 67 mm   |

### Technical data

|                      |   |
|----------------------|---|
| Maximum load current | 150 A (with 50 mm <sup>2</sup> conductor cross section) |
| Rated surge voltage  | 8 kV  |

# Feed-through terminal block - UK 35 - 3008012

## Technical data

### Technical data

|   |                                     |
|---|-------------------------------------|
| Pollution degree  | 3                                   |
| Surge voltage category  | III                                 |
| Insulating material group   | I                                   |
| Connection in acc. with standard  | IEC 60947-7-1                       |
| Nominal current I <sub>N</sub>  | 150 A                               |
| Nominal voltage U <sub>N</sub>  | 1000 V                              |
| Open side panel   | nein                                |
| Shock protection test specification   | DIN EN 50274 (VDE 0660-514):2002-11 |
| Back of the hand protection   | guaranteed                          |
| Finger protection   | guaranteed                          |
| Surge voltage test setpoint   | 9.8 kV                              |
| Result of surge voltage test  | Test passed                         |
| Power frequency withstand voltage setpoint                                      | 2.2 kV                              |
| Result of power-frequency withstand voltage test                                | Test passed                         |
| Checking the mechanical stability of terminal points (5 x conductor connection) | Test passed                         |
| Bending test rotation speed   | 10 rpm                              |
| Bending test turns  | 135                                 |
| Bending test conductor cross section/weight                                     | 0.75 mm <sup>2</sup> / 0.4 kg       |
| Bending test conductor cross section/weight                                     | 35 mm <sup>2</sup> / 6.8 kg         |
| Bending test conductor cross section/weight                                     | 50 mm <sup>2</sup> / 9.5 kg         |
| Result of bending test  | Test passed                         |
| Conductor cross section tensile test  | 0.75 mm <sup>2</sup>                |
| Tractive force setpoint   | 30 N                                |
| Conductor cross section tensile test  | 35 mm <sup>2</sup>                  |
| Tractive force setpoint   | 190 N                               |
| Conductor cross section tensile test  | 50 mm <sup>2</sup>                  |
| Tractive force setpoint   | 236 N                               |
| Tensile test result   | Test passed                         |
| Tight fit on carrier  | NS 32/NS 35                         |
| Setpoint  | 10 N                                |
| Result of tight fit test  | Test passed                         |
| Requirements, voltage drop  | ≤ 3.2 mV                            |
| Result of voltage drop test   | Test passed                         |
| Temperature-rise test   | Test passed                         |
| Conductor cross section short circuit testing                                   | 35 mm <sup>2</sup>                  |
| Short-time current  | 4.2 kA                              |
| Conductor cross section short circuit testing                                   | 50 mm <sup>2</sup>                  |
| Short-time current  | 6 kA                                |
| Short circuit stability result  | Test passed                         |
| Proof of thermal characteristics (needle flame) effective duration              | 30 s                                |
| Result of thermal test  | Test passed                         |

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## Technical data

### Technical data

|   |        |
|---|--------|
| Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21)) | 125 °C |
| Static insulating material application in cold                        | -60 °C |

### Connection data

|   |                      |
|---|----------------------|
| Conductor cross section solid min.  | 0.75 mm <sup>2</sup> |
| Conductor cross section solid max.  | 50 mm <sup>2</sup>   |
| Conductor cross section stranded min.   | 0.75 mm <sup>2</sup> |
| Conductor cross section stranded max.   | 35 mm <sup>2</sup>   |
| Conductor cross section AWG/kcmil min.  | 18                   |
| Conductor cross section AWG/kcmil max   | 0/1                  |
| Conductor cross section stranded, with ferrule without plastic sleeve min.              | 0.75 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule without plastic sleeve max.              | 35 mm <sup>2</sup>   |
| Conductor cross section stranded, with ferrule with plastic sleeve min.                 | 0.75 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule with plastic sleeve max.                 | 35 mm <sup>2</sup>   |
| 2 conductors with same cross section, solid min.  | 0.75 mm <sup>2</sup> |
| 2 conductors with same cross section, solid max.  | 16 mm <sup>2</sup>   |
| 2 conductors with same cross section, stranded min.                                     | 0.75 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded max.                                     | 10 mm <sup>2</sup>   |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.75 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 6 mm <sup>2</sup>    |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.   | 0.75 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.   | 10 mm <sup>2</sup>   |
| Connection method   | Screw connection     |
| Stripping length  | 16 mm                |
| Internal cylindrical gage   | B9                   |
| Screw thread  | M6                   |
| Tightening torque, min  | 3.2 Nm               |
| Tightening torque max   | 3.7 Nm               |

## Classifications

### ETIM

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

# Feed-through terminal block - UK 35 - 3008012

## Classifications

### UNSPSC

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

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141120 |
| eCl@ss 4.1 | 27141120 |
| eCl@ss 5.0 | 27141120 |
| eCl@ss 5.1 | 27141120 |
| eCl@ss 6.0 | 27141120 |
| eCl@ss 7.0 | 27141120 |

## Approvals

### Approvals

#### Approvals


CSA / UL Recognized / KEMA-KEUR / GOST / LR / BV / RS / ABS / PRS / KR / NK / CCA / IECCEB Scheme / KEMA-KEUR / GL / GOST

#### Ex Approvals

IECEX / ATEX / FM approved / UL Recognized / cUL Recognized / GL / cULus Recognized


#### Approvals submitted


### Approval details


|   |       |        |   |
|---|-------|--------|---|
|  |       |        |   |
|   |       | B      | C |
| mm <sup>2</sup> /AWG/kcmil  | 18    | 18     |   |
| Nominal current I <sub>N</sub>  | 150 A | 150 A  |   |
| Nominal voltage U <sub>N</sub>  | 600 V | 1000 V |   |

# Feed-through terminal block - UK 35 - 3008012

## Approvals

|   |       |
|---|-------|
| UL Recognized  |       |
| mm <sup>2</sup> /AWG/kcmil  | 18    |
| Nominal current I <sub>N</sub>  | 150 A |
| Nominal voltage U <sub>N</sub>  | 600 V |

|   |        |
|---|--------|
| KEMA-KEUR  |        |
| mm <sup>2</sup> /AWG/kcmil  | 35     |
| Nominal voltage U <sub>N</sub>  | 1000 V |

|   |  |
|---|--|
| GOST  |  |
|---|--|

|    |
|----|
| LR |
|----|

|    |
|----|
| BV |
|----|

|    |
|----|
| RS |
|----|

|                                |        |
|--------------------------------|--------|
| ABS                            |        |
| mm <sup>2</sup> /AWG/kcmil     | 18     |
| Nominal current I <sub>N</sub> | 150 A  |
| Nominal voltage U <sub>N</sub> | 1000 V |

|     |
|-----|
| PRS |
|-----|

|    |
|----|
| KR |
|----|

|    |
|----|
| NK |
|----|

|                            |    |
|----------------------------|----|
| CCA                        |    |
| mm <sup>2</sup> /AWG/kcmil | 35 |

# Feed-through terminal block - UK 35 - 3008012

## Approvals

|                            |        |
|----------------------------|--------|
| IECEE CB Scheme            |        |
| mm <sup>2</sup> /AWG/kcmil | 35     |
| Nominal voltage UN         | 1000 V |

|                            |        |
|----------------------------|--------|
| KEMA-KEUR                  |        |
| mm <sup>2</sup> /AWG/kcmil | 35     |
| Nominal voltage UN         | 1000 V |

|    |
|----|
| GL |
|----|

|      |
|------|
| GOST |
|------|

## Accessories

### Accessories

### Assembly

Cover profile - EA 11 - 1024263



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

Step bracket - STL 35/10 - 0204084



Step bracket, Number of positions: 2, Color: white aluminum

## Feed-through terminal block - UK 35 - 3008012

### Accessories

Step bracket - STL 35/ 5 - 0204107



Step bracket, Number of positions: 2, Color: white aluminum

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Step bracket - STL 35/16 - 0204097



Step bracket, Number of positions: 2, Color: white aluminum

---

Separating plate - TS-K - 1302215



Separating plate, Length: 22 mm, Height: 22 mm, Color: gray

---

Partition plate - TP-UK 35 - 3008096



Partition plate, Width: 2 mm, Color: gray

---

DIN rail - NS 32 PERF 2000MM - 1201002



G-profile DIN rail, material: Steel, perforated, height 15 mm, width 32 mm, length 2 m

---

DIN rail - NS 32 UNPERF 2000MM - 1201015



G-profile DIN rail, material: Steel, unperforated, height 15 mm, width 32 mm, length 2 m



## Feed-through terminal block - UK 35 - 3008012

### Accessories

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



DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 7.5 mm, width 35 mm, length: 2000 mm

---

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



DIN rail, material: Steel, unperforated, height 7.5 mm, width 35 mm, length: 2 m

---

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



DIN rail 35 mm (NS 35)

---

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



DIN rail 35 mm (NS 35)

---

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



DIN rail, material: Aluminum, unperforated, height 7.5 mm, width 35 mm, length: 2 m

---

## Feed-through terminal block - UK 35 - 3008012

### Accessories

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



DIN rail, material: Galvanized, perforated, height 7.5 mm, width 35 mm, length: 2 m

---

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



DIN rail, material: Galvanized, unperforated, height 7.5 mm, width 35 mm, length: 2 m

---

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



DIN rail, material: Copper, unperforated, height 7.5 mm, width 35 mm, length: 2 m

---

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, material: steel galvanized and passivated with a thick layer, perforated, height 15 mm, width 35 mm, length: 2000 mm

---

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



DIN rail, material: Steel, unperforated, height 15 mm, width 35 mm, length: 2 m

## Feed-through terminal block - UK 35 - 3008012

### Accessories

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



DIN rail 35 mm (NS 35)

---

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



DIN rail 35 mm (NS 35)

---

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



DIN rail, deep drawn, high profile, unperforated, 1.5 mm thick, material: aluminum, height 15 mm, width 35 mm, length 2000 mm

---

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



DIN rail, material: Galvanized, perforated, height 15 mm, width 35 mm, length: 2 m

---

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



DIN rail, material: Galvanized, unperforated, height 15 mm, width 35 mm, length: 2 m

---

## Feed-through terminal block - UK 35 - 3008012

### Accessories

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



DIN rail, material: Copper, unperforated, 1.5 mm thick, height 15 mm, width 35 mm, length: 2 m

End cap - NS 35/15 CAP - 1206573



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

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



DIN rail, material: Steel, unperforated, 2.3 mm thick, height 15 mm, width 35 mm, length: 2 m

End clamp - CLIPFIX 35 - 3022218



Snap-on end bracket, for 35 mm NS 35/7.5 or NS 35/15 DIN rail, can be fitted with Zack strip ZB 8 and ZB 8/27, terminal strip marker KLM 2 and KLM, 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, can be fitted with ZB 5 and ZBF 5 zack marker strip, KLM 2, KLM3, and KML3L terminal strip marker, parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5.15 mm, color: gray

End clamp - E/UK - 1201442



End clamp, for assembly on NS 32 or NS 35/7.5 DIN rail

## Feed-through terminal block - UK 35 - 3008012

### Accessories

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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

---

### Bridges

Chain bridge - KBI- 15 - 0205203



Chain bridge, Number of positions: 1, Color: silver

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Fixed bridge - FBI 2-15 - 0201333



Fixed bridge, Number of positions: 2, Color: silver

---

Fixed bridge - FBI 3-15 - 0201278



Fixed bridge, Number of positions: 3, Color: silver

---

Insertion bridge - EB 2-15 - 0203166



Insertion bridge, Number of positions: 2, Color: gray

---

## Feed-through terminal block - UK 35 - 3008012

### Accessories

Insertion bridge - EB 10-15 - 0205135



Insertion bridge, Number of positions: 10, Color: gray

---

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



Insertion bridge, Number of positions: 2, Color: gray

---

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



Insertion bridge, Number of positions: 3, Color: gray

---

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



Insertion bridge, Number of positions: 10, Color: gray

---

Switching jumper - SBH 2-15 - 0205232



Switching jumper, Number of positions: 2, Color: silver

---

### Marking

## Feed-through terminal block - UK 35 - 3008012

### Accessories

Warning label - WS 5-15 - 1004445



Warning label, Plate, orange, labeled, Mounting type: Screws, rivets, For terminal block width: 15 mm

Warning label - WS 4-15 - 1004241



Warning label, Plate, orange, labeled, Mounting type: Screws, rivets, For terminal block width: 15 mm

Zack marker strip - ZB 15:UNBEDRUCKT - 0811972



Zack marker strip, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into tall marker groove, For terminal block width: 15.2 mm, Lettering field: 10.5 x 15.1 mm

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: 10.5 x 15.1 mm

### Plug/Adapter

Test plugs - PS-MT - 0311647



Test plugs

## Feed-through terminal block - UK 35 - 3008012

### Accessories

Insulating sleeve - PS-IH WH - 0311566



Insulating sleeve, Color: white

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Insulating sleeve - PS-IH RD - 0311579



Insulating sleeve, Color: red

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Insulating sleeve - PS-IH BU - 0311582



Insulating sleeve, Color: blue

---

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



## Feed-through terminal block - UK 35 - 3008012

### Accessories

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Insulating sleeve - PS-IH BK - 0311634



Insulating sleeve, Color: black

---

Insulating sleeve - PS-IH VT - 0311618



Insulating sleeve, Color: violet

---

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



Female test connector, Color: silver

---

End clamp - E/NS 35 N - 0800886



End clamp, width: 9.5 mm, color: gray

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