

## Feed-through terminal block - UK 35-FE - 3048219

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Feed-through terminal block, nom. voltage: 800 V, nominal current: 125 A, connection method: Screw connection, number of connections: 2, cross section: 10 mm<sup>2</sup> - 35 mm<sup>2</sup>, AWG: 8 - 2, width: 15.1 mm, color: black/yellow, mounting type: NS 35/7,5, NS 35/15


### 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 | 50 pc   |
| GTIN         | <br>4 046356 762694 |
| GTIN         | 4046356762694   |

### Technical data

#### General

|   |                    |
|---|--------------------|
| Number of levels                                | 1                  |
| Number of connections                           | 2                  |
| Potentials                                      | 1                  |
| Nominal cross section                           | 35 mm <sup>2</sup> |
| Color   | black/yellow       |
| Insulating material                             | PA                 |
| Flammability rating according to UL 94          | V0                 |
| Rated surge voltage                             | 8 kV               |
| Degree of pollution                             | 3                  |
| Overvoltage category                            | III                |
| Insulating material group                       | I                  |
| Maximum power dissipation for nominal condition | 4.06 W             |
| Maximum load current                            | 125 A              |

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## Technical data

### General

|   |             |
|---|-------------|
| Nominal current $I_N$   | 125 A       |
| Nominal voltage $U_N$   | 800 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)) | 125 °C      |
| Static insulating material application in cold                          | -60 °C      |
| Surface flammability NFPA 130 (ASTM E 162)                              | passed      |
| Specific optical density of smoke NFPA 130 (ASTM E 662)                 | passed      |
| Calorimetric heat release NFPA 130 (ASTM E 1354)                        | 27,5 MJ/kg  |
| Smoke gas toxicity NFPA 130 (SMP 800C)                                  | passed      |
| 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           | 54.5 mm |
| Height NS 35/7,5 | 62.1 mm |
| Height NS 35/15  | 69.6 mm |
| Height NS 32     | 67.1 mm |

### Connection data

|  |                    |
|--|--------------------|
| Note   | Terminal point     |
| Connection method  | Screw connection   |
| Screw thread   | M6                 |
| Stripping length   | 16 mm              |
| Tightening torque, min   | 3.2 Nm             |
| Tightening torque max  | 3.7 Nm             |
| Connection in acc. with standard   | IEC 60947-7-1      |
| Conductor cross section solid min.   | 10 mm <sup>2</sup> |
| Conductor cross section solid max.   | 35 mm <sup>2</sup> |
| Conductor cross section AWG min.   | 8                  |
| Conductor cross section AWG max.   | 2                  |
| Conductor cross section flexible min.                                      | 10 mm <sup>2</sup> |
| Conductor cross section flexible max.                                      | 35 mm <sup>2</sup> |
| Min. AWG conductor cross section, flexible                                 | 8                  |
| Max. AWG conductor cross section, flexible                                 | 2                  |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 10 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 35 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve min.    | 10 mm <sup>2</sup> |

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## Technical data

### Connection data

|  |                    |
|--|--------------------|
| Conductor cross section flexible, with ferrule with plastic sleeve max.                                | 35 mm <sup>2</sup> |
| 2 conductors with same cross section, solid min.   | 6 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.  | 6 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded max.  | 10 mm <sup>2</sup> |
| Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum | 6 mm <sup>2</sup>  |
| Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum | 10 mm <sup>2</sup> |
| Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum  | 6 mm <sup>2</sup>  |
| Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum  | 10 mm <sup>2</sup> |

### Standards and Regulations

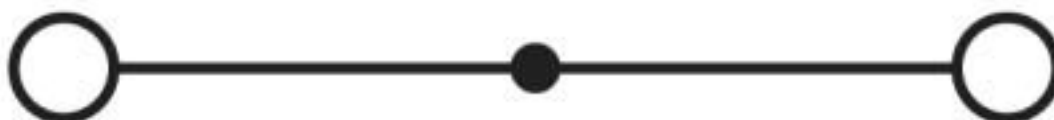
|  |               |
|--|---------------|
| Connection in acc. with standard       | CSA           |
|  | IEC 60947-7-1 |
| Flammability rating according to UL 94 | V0            |

### Environmental Product Compliance

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

## Drawings

Circuit diagram



## Classifications

### eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27141120 |
| eCl@ss 4.0    | 27141100 |
| eCl@ss 4.1    | 27141100 |
| eCl@ss 5.0    | 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 |

# Feed-through terminal block - UK 35-FE - 3048219

## Classifications

### 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 |
| UNSPSC 18.0   | 39121410 |
| UNSPSC 19.0   | 39121410 |
| UNSPSC 20.0   | 39121410 |
| UNSPSC 21.0   | 39121410 |

## Approvals

### Approvals

#### Approvals


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

#### Ex Approvals

IECEX / ATEX / UL Recognized / cUL Recognized / GL / DNV GL-EX / cULus Recognized

### Approval details

|        |   |   |            |
|--------|---|---|------------|
| DNV GL |  | <a href="https://approvalfinder.dnvgl.com/">https://approvalfinder.dnvgl.com/</a> | TAE00001CT |
|--------|---|---|------------|

|                    |   |   |       |
|--------------------|---|---|-------|
| CSA                |  | <a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a> | 13631 |
|                    | B   | C   |       |
| Nominal voltage UN | 600 V   | 600 V   |       |
| Nominal current IN | 150 A   | 150 A   |       |

## Feed-through terminal block - UK 35-FE - 3048219

### Approvals

|                            | B  | C  |
|----------------------------|----|----|
| mm <sup>2</sup> /AWG/kcmil | 18 | 18 |

|    |  |   |                |
|----|--|---|----------------|
| KR |  | <a href="http://www.krs.co.kr/eng/main/main.aspx">http://www.krs.co.kr/eng/main/main.aspx</a> | HMB17372-EL001 |
|----|--|---|----------------|

|    |  |   |           |
|----|--|---|-----------|
| NK |  | <a href="http://www.classnk.or.jp/hp/en/">http://www.classnk.or.jp/hp/en/</a> | 09 ME 141 |
|----|--|---|-----------|

|               |  |   |              |
|---------------|--|---|--------------|
| UL Recognized |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 60425 |
|---------------|--|---|--------------|

|                            | B     | C     |
|----------------------------|-------|-------|
| Nominal voltage UN         | 600 V | 600 V |
| Nominal current IN         | 150 A | 150 A |
| mm <sup>2</sup> /AWG/kcmil | 18    | 18    |

|           |  |   |            |
|-----------|--|---|------------|
| KEMA-KEUR |  | <a href="http://www.dekra-certification.com">http://www.dekra-certification.com</a> | 2183462.02 |
|-----------|--|---|------------|

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

|                |  |   |              |
|----------------|--|---|--------------|
| cUL Recognized |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 60425 |
|----------------|--|---|--------------|

|                            | B     | C     |
|----------------------------|-------|-------|
| Nominal voltage UN         | 600 V | 600 V |
| Nominal current IN         | 150 A | 150 A |
| mm <sup>2</sup> /AWG/kcmil | 18    | 18    |

|                 |  |   |          |
|-----------------|--|---|----------|
| IECEE CB Scheme |  | <a href="http://www.iecee.org/">http://www.iecee.org/</a> | NL-26111 |
|-----------------|--|---|----------|

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

## Feed-through terminal block - UK 35-FE - 3048219

### Approvals

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

|    |  |   |              |
|----|--|---|--------------|
| RS |  | <a href="http://www.rs-head.spb.ru/en/index.php">http://www.rs-head.spb.ru/en/index.php</a> | 17.00013.272 |
|----|--|---|--------------|

|     |  |                          |
|-----|--|--------------------------|
| EAC |  | RU C-<br>DE.BL08.B.00534 |
|-----|--|--------------------------|

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

### Accessories

#### Accessories

##### Cover profile

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

## Feed-through terminal block - UK 35-FE - 3048219

### Accessories

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#### 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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#### 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

---

## Feed-through terminal block - UK 35-FE - 3048219

### Accessories

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

---

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

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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

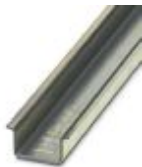
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## Feed-through terminal block - UK 35-FE - 3048219

### Accessories

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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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

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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

---

## Feed-through terminal block - UK 35-FE - 3048219

### Accessories

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

---

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

---

## Feed-through terminal block - UK 35-FE - 3048219

### Accessories

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

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End clamp - E/NS 35 N - 0800886



End clamp, width: 9.5 mm, color: gray

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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

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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

---

### Insertion bridge

Insertion bridge - EB 2-15 - 0203166



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

---

## Feed-through terminal block - UK 35-FE - 3048219

### Accessories

Insertion bridge - EB 10-15 - 0205135



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

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



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

---

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



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

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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

---

## Feed-through terminal block - UK 35-FE - 3048219

### Accessories

Insulating sleeve - PS-IH RD - 0311579



Insulating sleeve, color: red

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Insulating sleeve - PS-IH BU - 0311582



Insulating sleeve, color: blue

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Insulating sleeve - PS-IH YE - 0311595



Insulating sleeve, color: yellow

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Insulating sleeve - PS-IH GN - 0311605



Insulating sleeve, color: green

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Insulating sleeve - PS-IH GY - 0311621



Insulating sleeve, color: gray

---

## Feed-through terminal block - UK 35-FE - 3048219

### Accessories

Insulating sleeve - PS-IH BK - 0311634



Insulating sleeve, color: black

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Insulating sleeve - PS-IH VT - 0311618



Insulating sleeve, color: violet

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### Labeled terminal marker

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, Number of individual labels: 5

---

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, Number of individual labels: 5

---

### Partition plate

Separating plate - TS-K - 1302215



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

---

## Feed-through terminal block - UK 35-FE - 3048219

### Accessories

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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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

---

## Feed-through terminal block - UK 35-FE - 3048219

### Accessories

Fixed bridge - FBI 3-15 - 0201278



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

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Fixed bridge - FBI 5-15 - 0711302



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

---

### Switching jumper

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, Number of individual labels: 5

---

### Test plug terminal block

Test plugs - PS-MT - 0311647



Test plugs, color: silver

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### Test socket



## Feed-through terminal block - UK 35-FE - 3048219

### Accessories

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



Female test connector, color: silver

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### Warning label printed

Warning label - WS 5-15 - 1004445

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



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Warning label - WS 4-15 - 1004241

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



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