

## Fuse modular terminal block - UK 10,3-HESI 1000V - 3211236

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Fuse modular terminal block, fuse type: Glass / ceramics / ..., connection method: Screw connection, cross section: 1.5 mm<sup>2</sup>- 25 mm<sup>2</sup>, AWG: 16 - 3, nominal current: 30 A, nom. voltage: 1000 V, width: 18 mm, fuse type: 10:3 x 38 mm, mounting type: NS 35/7,5, NS 35/15, color: black


The figure shows a version of the article

### Your advantages

- ✓ Fuse holder for fusing PV strings 1000 V DC
- ✓ Easy to bridge
- ✓ For 10 x 38 gPV fuse-links in accordance with IEC 60269-6



### Key Commercial Data

|              |   |
|--------------|---|
| Packing unit | 10 pc   |
| GTIN         | <br>4 046356 482394 |
| GTIN         | 4046356482394   |

### Technical data

#### General

|   |                        |
|---|------------------------|
| Number of levels                                | 1                      |
| Number of connections                           | 2                      |
| Nominal cross section                           | 25 mm <sup>2</sup>     |
| Color   | black                  |
| Insulating material                             | PA                     |
| Flammability rating according to UL 94          | V0                     |
| Maximum power dissipation for nominal condition | 3.26 W                 |
| Fuse  | 10:3 x 38 mm           |
| Fuse type                                       | Glass / ceramics / ... |
| Rated surge voltage                             | 6 kV                   |
| Degree of pollution                             | 3                      |
| Overvoltage category                            | II                     |

# Fuse modular terminal block - UK 10,3-HESI 1000V - 3211236

## Technical data

### General

|   |  |
|---|--|
| Insulating material group   | IIIa   |
| Connection in acc. with standard  | IEC 60269-1 / -2   |
| Maximum load current  | 30 A (the current and voltage are determined by the fuse)      |
| Nominal current $I_N$   | 30 A (the current and voltage are determined by the fuse)      |
| Nominal voltage $U_N$   | 1000 V DC (the current and voltage are determined by the fuse) |
| Open side panel   | No   |
| Shock protection test specification                                     | DIN EN 50274 (VDE 0660-514):2002-11                            |
| Back of the hand protection   | guaranteed   |
| Finger protection   | guaranteed   |
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 120 °C   |

### Dimensions

|                  |         |
|------------------|---------|
| Width            | 18 mm   |
| Length           | 81 mm   |
| Height NS 35/7,5 | 65.5 mm |
| Height NS 35/15  | 73 mm   |

### Ambient conditions

|  |  |
|--|--|
| Ambient temperature (operation)          | -60 °C ... 85 °C   |
| Ambient temperature (storage/transport)  | -25 °C ... 55 °C (For a short time, not exceeding 24 h, -60 to +70 °C) |
| Permissible humidity (storage/transport) | 30 % ... 70 %  |
| Ambient temperature (assembly)           | -5 °C ... 70 °C  |
| Ambient temperature (actuation)          | -5 °C ... 70 °C  |

### Connection data

|  |                      |
|--|----------------------|
| Conductor cross section solid min.   | 1.5 mm <sup>2</sup>  |
| Conductor cross section solid max.   | 25 mm <sup>2</sup>   |
| Conductor cross section flexible min.                                      | 0.75 mm <sup>2</sup> |
| Conductor cross section flexible max.                                      | 25 mm <sup>2</sup>   |
| Conductor cross section AWG min.   | 16                   |
| Conductor cross section AWG max.   | 3                    |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 1.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 16 mm <sup>2</sup>   |
| Conductor cross section flexible, with ferrule with plastic sleeve min.    | 1.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule with plastic sleeve max.    | 16 mm <sup>2</sup>   |
| Cross section with insertion bridge, solid max.                            | 10 mm <sup>2</sup>   |
| Cross section with insertion bridge, stranded max.                         | 10 mm <sup>2</sup>   |
| 2 conductors with same cross section, solid min.                           | 1.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, solid max.                           | 4 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>   |

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## Technical data

### Connection data

|  |                     |
|--|---------------------|
| Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum  | 1.5 mm <sup>2</sup> |
| Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum  | 4 mm <sup>2</sup>   |
| Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum | 1.5 mm <sup>2</sup> |
| Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum | 10 mm <sup>2</sup>  |
| Cross section with insertion bridge, solid max.  | 10 mm <sup>2</sup>  |
| Cross section with insertion bridge, stranded max.   | 10 mm <sup>2</sup>  |
| Connection method  | Screw connection    |
| Stripping length   | 11 mm               |
| Internal cylindrical gage  | A7                  |
| Screw thread   | M5                  |
| Tightening torque, min   | 2 Nm                |
| Tightening torque max  | 2.5 Nm              |

### Standards and Regulations

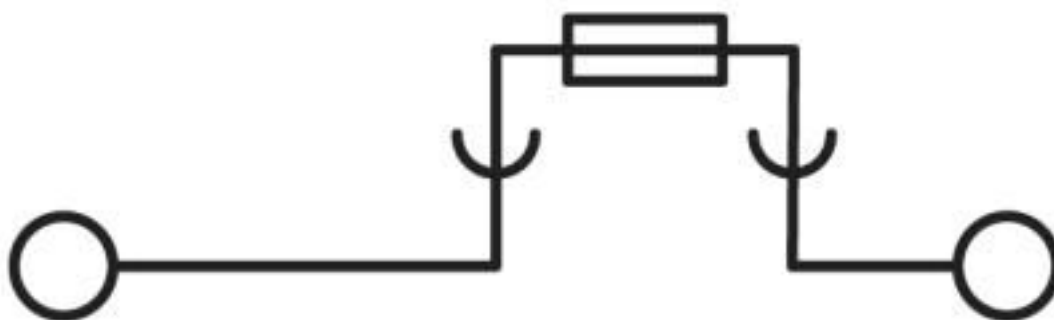
|  |                  |
|--|------------------|
| Connection in acc. with standard       | IEC 60269-1 / -2 |
| Flammability rating according to UL 94 | V0               |

### 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 | 27141116 |
| eCl@ss 4.0    | 27141100 |
| eCl@ss 4.1    | 27141100 |

# Fuse modular terminal block - UK 10,3-HESI 1000V - 3211236

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 5.0 | 27141100 |
| eCl@ss 5.1 | 27141100 |
| eCl@ss 6.0 | 27141100 |
| eCl@ss 7.0 | 27141116 |
| eCl@ss 8.0 | 27141116 |
| eCl@ss 9.0 | 27141116 |

### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000897 |
| ETIM 3.0 | EC000899 |
| ETIM 4.0 | EC000899 |
| ETIM 5.0 | EC000899 |
| ETIM 6.0 | EC000899 |
| ETIM 7.0 | EC000899 |

### 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

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Approvals

UL Listed / EAC / EAC

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Ex Approvals

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### Approval details

# Fuse modular terminal block - UK 10,3-HESI 1000V - 3211236

## Approvals

|                            |  |   |               |
|----------------------------|--|---|---------------|
| UL Listed                  |  | <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 353282 |
| Nominal voltage UN         |  | 1000 V  |               |
| Nominal current IN         |  | 30 A  |               |
| mm <sup>2</sup> /AWG/kcmil |  | 18-8  |               |

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

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

## Accessories

### Accessories

#### Connector

Connection pin - VS-UK 10,3-HESI N 2POL - 3048532



Connection pin, plastic, for coupling two fuse terminal blocks, color: black, diameter: 3 mm

Connection pin - VS-UK 10,3-HESI N 3POL - 3048409



Connection pin, plastic, for coupling three fuse terminal blocks, color: black, diameter: 3 mm

#### DIN rail

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

## Fuse modular terminal block - UK 10,3-HESI 1000V - 3211236

### Accessories

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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

---

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

---

## Fuse modular terminal block - UK 10,3-HESI 1000V - 3211236

### Accessories

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

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



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

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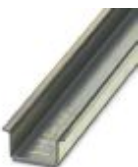
DIN rail perforated - NS 35/15 PERF 2000MM - 1201730



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

---

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

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## Fuse modular terminal block - UK 10,3-HESI 1000V - 3211236

### Accessories

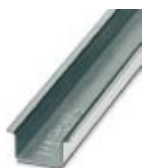
DIN rail perforated - NS 35/15 WH PERF 2000MM - 0806602



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

---

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

---



## Fuse modular terminal block - UK 10,3-HESI 1000V - 3211236

### Accessories

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

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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

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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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## Fuse modular terminal block - UK 10,3-HESI 1000V - 3211236

### Accessories

End clamp - E/NS 35 N - 0800886



End clamp, width: 9.5 mm, color: gray

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### Fuse

Fuse - FUSE 10,3X38 2A PV - 3061295



Fuse, 10.3x38 mm, up to 1000 V DC, gPV characteristics

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Fuse - FUSE 10,3X38 4A PV - 3061305



Fuse, 10.3x38 mm, up to 1000 V DC, gPV characteristics

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Fuse - FUSE 10,3X38 6A PV - 3061318



Fuse, 10.3x38 mm, up to 1000 V DC, gPV characteristics

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Fuse - FUSE 10,3X38 8A PV - 3061321



Fuse, 10.3x38 mm, up to 1000 V DC, gPV characteristics

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## Fuse modular terminal block - UK 10,3-HESI 1000V - 3211236

### Accessories

Fuse - FUSE 10,3X38 10A PV - 3061334



Fuse, 10.3x38 mm, up to 1000 V DC, gPV characteristics

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Fuse - FUSE 10,3X38 12A PV - 3061347



Fuse, 10.3x38 mm, up to 1000 V DC, gPV characteristics

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Fuse - FUSE 10,3X38 16A PV - 3061350



Fuse, 10.3x38 mm, up to 1000 V DC, gPV characteristics

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Fuse - FUSE 10,3X38 20A PV - 3061363



Fuse, 10.3x38 mm, up to 1000 V DC, gPV characteristics

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Fuse - FUSE 10,3X38 25A PV - 3061364



Fuse, 10.3x38 mm, up to 1000 V DC, gPV characteristics

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## Fuse modular terminal block - UK 10,3-HESI 1000V - 3211236

### Accessories

Fuse - FUSE 10,3X38 15A PV - 3061348



Fuse, 10.3x38 mm, up to 1000 V DC, gPV characteristics

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Fuse - FUSE 10,3X38 2A PV - 3061295



Fuse, 10.3x38 mm, up to 1000 V DC, gPV characteristics

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Fuse - FUSE 10,3X38 4A PV - 3061305



Fuse, 10.3x38 mm, up to 1000 V DC, gPV characteristics

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Fuse - FUSE 10,3X38 6A PV - 3061318



Fuse, 10.3x38 mm, up to 1000 V DC, gPV characteristics

---

Fuse - FUSE 10,3X38 8A PV - 3061321



Fuse, 10.3x38 mm, up to 1000 V DC, gPV characteristics

---

## Fuse modular terminal block - UK 10,3-HESI 1000V - 3211236

### Accessories

Fuse - FUSE 10,3X38 10A PV - 3061334



Fuse, 10.3x38 mm, up to 1000 V DC, gPV characteristics

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Fuse - FUSE 10,3X38 12A PV - 3061347



Fuse, 10.3x38 mm, up to 1000 V DC, gPV characteristics

---

Fuse - FUSE 10,3X38 15A PV - 3061348



Fuse, 10.3x38 mm, up to 1000 V DC, gPV characteristics

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Fuse - FUSE 10,3X38 16A PV - 3061350



Fuse, 10.3x38 mm, up to 1000 V DC, gPV characteristics

---

Fuse - FUSE 10,3X38 20A PV - 3061363



Fuse, 10.3x38 mm, up to 1000 V DC, gPV characteristics

---

## Fuse modular terminal block - UK 10,3-HESI 1000V - 3211236

### Accessories

Fuse - FUSE 10,3X38 25A PV - 3061364



Fuse, 10.3x38 mm, up to 1000 V DC, gPV characteristics

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Fuse - FUSE 10,3X38 25A PV 900V - 3061365



Fuse, 10.3 mm x 38 mm, up to 900 V DC, gPV characteristic

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Fuse - FUSE 10,3X38 6A PV A - 3062778



Fuse, for the photovoltaics industry according to UL 2579, length: 38 mm, diameter: 10.3 mm, color: white

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Fuse - FUSE 10,3X38 8A PV A - 3062779



Fuse, for the photovoltaics industry according to UL 2579, length: 38 mm, diameter: 10.3 mm, color: white

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Fuse - FUSE 10,3X38 10A PV A - 3062780



Fuse, for the photovoltaics industry according to UL 2579, length: 38 mm, diameter: 10.3 mm, color: white

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## Fuse modular terminal block - UK 10,3-HESI 1000V - 3211236

### Accessories

Fuse - FUSE 10,3X38 12A PV A - 3062781



Fuse, for the photovoltaics industry according to UL 2579, length: 38 mm, diameter: 10.3 mm, color: white

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Fuse - FUSE 10,3X38 16A PV A - 3062782



Fuse, for the photovoltaics industry according to UL 2579, length: 38 mm, diameter: 10.3 mm, color: white

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Fuse - FUSE 10,3X38 15A PV A - 3062784



Fuse, for the photovoltaics industry according to UL 2579, length: 38 mm, diameter: 10.3 mm, color: white

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Fuse - FUSE 10,3X38 25A PV A - 3062785



Fuse, for the photovoltaics industry according to UL 2579, nominal current: 25 A, length: 38 mm, diameter: 10.3 mm, color: white

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### Insertion bridge

Insertion bridge - EB 56-18 - 3009299



Insertion bridge, pitch: 18 mm, number of positions: 56, color: gray

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## Fuse modular terminal block - UK 10,3-HESI 1000V - 3211236

### Accessories

Insertion bridge - EB 2-18 - 3009300



Insertion bridge, pitch: 17.8 mm, number of positions: 2, color: light gray

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Insertion bridge - EB 3-18 - 3009305



Insertion bridge, pitch: 17.8 mm, number of positions: 3, color: light gray

---

### Labeled terminal marker

Zack Marker strip, flat - ZBF 16 CUS - 0827465



Zack Marker strip, flat, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 16 mm, lettering field size: 5.15 x 16 mm, Number of individual labels: 5

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Marker for terminal blocks - UC-TMF 16 CUS - 0824678



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 16 mm, lettering field size: 15.45 x 5.1 mm, Number of individual labels: 32

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Marker for terminal blocks - UCT-TMF 16 CUS - 0829693



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 16 mm, lettering field size: 15.2 x 4.7 mm, Number of individual labels: 24

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### Screwdriver tools



## Fuse modular terminal block - UK 10,3-HESI 1000V - 3211236

### Accessories

Screwdriver - SF-SL 0,6X3,5-100 S-VDE - 1212587



Actuation tool, for ST terminal blocks, VDE insulated, with slimmer insulation integrated in the blade, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

Philips screwdriver - SZK PZ2 VDE - 1206463



Screwdriver, PZ crosshead, VDE insulated, size: PZ 2 x 100 mm, 2-component grip, with non-slip grip

Screwdriver - SZS 1,0X4,0 VDE - 1205066



Screwdriver, slot-headed, VDE insulated, size: 1.0 x 4.0 x 100 mm, 2-component grip, with non-slip grip

### Terminal marking

Zack Marker strip, flat - ZBF 16:UNPRINTED - 0827464



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 16 mm, lettering field size: 16.25 x 10.5 mm, Number of individual labels: 50

Marker for terminal blocks - UC-TMF 16 - 0819262



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 16 mm, lettering field size: 15.45 x 5.1 mm, Number of individual labels: 32

## Fuse modular terminal block - UK 10,3-HESI 1000V - 3211236

### Accessories

Marker for terminal blocks - UCT-TMF 16 - 0829218



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snap into flat marker groove, for terminal block width: 16 mm, lettering field size: 15.2 x 4.7 mm, Number of individual labels: 24

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PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>

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