# Component terminal block - STME 6-DIO/L-R HV - 3035691

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Component terminal block, Connection method: Spring-cage connection, Cross section: 0.2 mm² -10 mm² , AWG: 24 - 10, Width: 8.2 mm, Color: gray

## Why buy this product

- Connection of standard solar cables up to 10 mm² and with 7.5 mm outside diameter
- The DP-STMED 6 spacer plate ensures sufficient spacing between two adjacent diode terminal blocks
- A space-saving design of the same shape for compact generator connection boxes
- Consistent function shafts enable the simple grouping of individual PV lines using plug-in bridges

## Key commercial data

| | |
|---|---|
| Packing unit | 50 pc |
| Minimum order quantity | 50 pc |
| GTIN | 4 046356 609791 |
| Weight per Piece (excluding packing) | 26.33 g |
| Custom tariff number | 85369010 |
| Country of origin | Poland |

## Technical data

### General

| | |
|---|---|
| Note | If several diode terminal blocks need adding to the DIN rail, a spacer plate must be placed between them. |
| Number of levels | 1 |
| Number of connections | 2 |
| Color | gray |
| Insulating material | PA |
| Inflammability class according to UL 94 | V0 |
| Maximum load current | 5 A |
| Rated surge voltage | 6 kV |
| Pollution degree | 3 |
| Surge voltage category | III |

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## Technical data

### General

| | |
|---|---|
| Insulating material group | I |
| Maximum load current | 5 A (with 10 mm² conductor cross section) |
| Nominal current $I_N$ | 5 A |
| Nominal voltage $U_N$ | 1000 V |
| Maximum load current | 5 A (with 10 mm² conductor cross section) |
| Open side panel | ja |
| 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 conductor cross section/weight | 0.2 mm² / 0.2 kg |
| | 6 $mm^2$ / 1.4 kg |
| | 10 mm² / 2 kg |
| Result of bending test | Test passed |
| Conductor cross section tensile test | 0.2 mm² |
| Tractive force setpoint | 10 N |
| Conductor cross section tensile test | 6 mm² |
| Tractive force setpoint | 80 N |
| Conductor cross section tensile test | 10 mm² |
| Tractive force setpoint | 90 N |
| Tensile test result | Test passed |
| Tight fit on carrier | NS 35 |
| Setpoint | 5 N |
| Result of tight fit test | Test passed |
| Result of aging test | Test passed |
| Proof of thermal characteristics (needle flame) effective duration | 30 s |
| Result of thermal test | Test passed |
| Test specification, oscillation, broadband noise | DIN EN 50155 (VDE 0115-200):2008-03 |
| Test spectrum | Service life test category 1, class B, body mounted |
| Test frequency | $f_1$ = 5 Hz to $f_2$ = 150 Hz |
| ASD level | 1.857 $(m/s^2)^2$/Hz |
| Acceleration | 0.8g |
| Test duration per axis | 5 h |
| Test directions | X-, Y- and Z-axis |
| Oscillation, broadband noise test result | Test passed |
| Test specification, shock test | DIN EN 50155 (VDE 0115-200):2008-03 |
| Shock form | Half-sine |
| Acceleration | 5 g |

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## Technical data

### General

| | |
|---|---|
| Shock duration | 30 ms |
| Number of shocks per direction | 3 |
| Test directions | X-, Y- and Z-axis (pos. and neg.) |
| Shock test result | Test passed |
| Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21)) | 130 °C |
| Static insulating material application in cold | -60 °C |

### Dimensions

| | |
|---|---|
| Width | 8.2 mm |
| Length | 100.8 mm |
| Height NS 35/7,5 | 60 mm |
| Height NS 35/15 | 67.5 mm |

### Connection data

| | |
|---|---|
| Connection method | Spring-cage connection |
| Conductor cross section solid min. | 0.2 mm² |
| Conductor cross section solid max. | 10 mm² |
| Conductor cross section AWG/kcmil min. | 24 |
| Conductor cross section AWG/kcmil max | 8 |
| Conductor cross section stranded min. | 0.2 mm² |
| Conductor cross section stranded max. | 6 mm² |
| Min. AWG conductor cross section, stranded | 24 |
| Max. AWG conductor cross section, stranded | 10 |
| Conductor cross section stranded, with ferrule without plastic sleeve min. | 0.25 mm² |
| Conductor cross section stranded, with ferrule without plastic sleeve max. | 6 mm² |
| Conductor cross section stranded, with ferrule with plastic sleeve min. | 0.25 mm² |
| Conductor cross section stranded, with ferrule with plastic sleeve max. | 6 mm² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1.5 mm² |
| Stripping length | 12 mm |
| Internal cylindrical gage | A4 |

## Classifications

### eCl@ss

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

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## Classifications

### eCl@ss

| | |
|---|---|
| eCl@ss 5.1 | 27141120 |
| eCl@ss 6.0 | 27141120 |
| eCl@ss 7.0 | 27141120 |
| eCl@ss 8.0 | 27141127 |

### ETIM

| | |
|---|---|
| ETIM 4.0 | EC000897 |
| ETIM 5.0 | EC000903 |

### UNSPSC

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

## Approvals

### Approvals

Approvals

EAC / UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

Approvals submitted

### Approval details

| |
|---|
| EAC |

UL Recognized

| | B | C |
|---|---|---|
| mm²/AWG/kcmil | 24-8 | 24-8 |
| Nominal current IN | 5 A | 5 A |
| Nominal voltage UN | 600 V | 600 V |

# Component terminal block - STME 6-DIO/L-R HV - 3035691

## Approvals

cUL Recognized

| | B | C |
|---|---|---|
| mm²/AWG/kcmil | 24-8 | 24-8 |
| Nominal current IN | 5 A | 5 A |
| Nominal voltage UN | 600 V | 600 V |

cULus Recognized

## Accessories

### Accessories

### Cover profile

Cover profile - AP-ME METER - 3034361

Cover profile, for covering terminal strips, snapped onto APT-ME cover profile carrier or APH-ME end bracket. A cover profile carrier should be positioned at the ends and at intervals of around 40 cm. Length supplied: 1 m

Cover profile - APT-ME - 3034358

Cover profile carrier for mounting on NS 35/7.5 DIN rail for attaching the cover profile AP-ME

Covering hood - AH-ME - 3240265

Cover, for the contact- and dust-protected encapsulation of the components

## Documentation

# Component terminal block - STME 6-DIO/L-R HV - 3035691

## Accessories

Mounting material - ST-IL - 3039900

Operating decal for the ST terminal block

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## End block

End clamp - CARRIER 35-8 - 3034387

End clamp, Width: 8.2 mm, Length: 99.8 mm, Color: gray

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End clamp - APH-ME - 3034374

Cover profile carrier for mounting on NS 35/7.5 DIN rail for attaching the cover profile AP-ME

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## End cover

End cover - D-DTME 6 - 3034426

End cover, Length: 99.8 mm, Width: 2.2 mm, Height: 49.6 mm, Color: gray

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Spacer plate - DP PS-6 - 3036738

Spacer plate, Color: red

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## Jumper

# Component terminal block - STME 6-DIO/L-R HV - 3035691

## Accessories

Plug-in bridge - FBS 2-8 - 3030284

Plug-in bridge, Length: 29.6 mm, Width: 14.7 mm, Number of positions: 2, Color: red

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Plug-in bridge - FBS 3-8 - 3030297

Plug-in bridge, Number of positions: 3, Color: red

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Plug-in bridge - FBS 4-8 - 3030307

Plug-in bridge, Number of positions: 4, Color: red

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Plug-in bridge - FBS 5-8 - 3030310

Plug-in bridge, Number of positions: 5, Color: red

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Plug-in bridge - FBS 10-8 - 3030323

Plug-in bridge, Number of positions: 10, Color: red

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# Component terminal block - STME 6-DIO/L-R HV - 3035691

## Accessories

Plug-in bridge - FBS 6-8 - 3032470

Plug-in bridge, Number of positions: 6, Color: red

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Plug-in bridge - FBS 1/3-8 - 3032363

Plug-in bridge, Number of positions: 3, Pin assignment: 1,3, Color: red

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Plug-in bridge - FBS 1/4-8 - 3032376

Plug-in bridge, Number of positions: 4, Pin assignment: 1,4, Color: red

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Plug-in bridge - FBS 1/3/5-8 - 3032389

Plug-in bridge, Number of positions: 5, Pin assignment: 1,3,5, Color: red

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Plug-in bridge - FBS 1/4/7/10-8 - 3032402

Plug-in bridge, Number of positions: 10, Pin assignment: 1,4,7,10, Color: red

---

# Component terminal block - STME 6-DIO/L-R HV - 3035691

## Accessories

Plug-in bridge - FBS 1/5-8 - 3032381

Plug-in bridge, Number of positions: 5, Pin assignment: 1,5, Color: red

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Plug-in bridge - FBSRH 2-8 - 3033802

Plug-in bridge, Number of positions: 2, Color: red

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Plug-in bridge - FBSRH 3-8 - 3033803

Plug-in bridge, Number of positions: 3, Color: red

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Plug-in bridge - FBSRH 4-8 - 3033804

Plug-in bridge, Number of positions: 4, Color: red

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Plug-in bridge - FBSR 2-8 - 3033808

Plug-in bridge, Number of positions: 2, Color: red

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# Component terminal block - STME 6-DIO/L-R HV - 3035691

## Accessories

Plug-in bridge - FBSR 3-8 - 3001597

Plug-in bridge, Number of positions: 3, Color: red

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Plug-in bridge - FBSR 4-8 - 3000585

Plug-in bridge, Number of positions: 4, Color: red

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Plug-in bridge - FBSR 5-8 - 3033809

Plug-in bridge, Number of positions: 5, Color: red

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Plug-in bridge - FBSR 10-8 - 3001599

Plug-in bridge, Number of positions: 10, Color: red

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Plug-in bridge - FBSR 16-8 - 3033816

Plug-in bridge, Number of positions: 16, Color: red

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## Mounting rail

# Component terminal block - STME 6-DIO/L-R HV - 3035691

## Accessories

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

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

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

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

DIN rail 35 mm (NS 35)

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

DIN rail 35 mm (NS 35)

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

DIN rail, unperforated, Width: 35 mm, Height: 7.5 mm, Length: 2000 mm, Color: silver

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# Component terminal block - STME 6-DIO/L-R HV - 3035691

## Accessories

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

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

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

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

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

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

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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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## Screwdriver tools

Screwdriver - SZF 2-0,8X4,0 - 1204520

Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.8 x 4.0 x 100 mm, 2-component grip, with non-slip grip

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## Test plug terminal block

# Component terminal block - STME 6-DIO/L-R HV - 3035691

## Accessories

Test plugs - PAI-4-FIX BU - 3032729

Test plugs, Color: blue

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Test plugs - PAI-4-FIX OG - 3034455

Test plugs, Color: orange

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Test plugs - PAI-4-FIX YE - 3032745

Test plugs, Color: yellow

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Test plugs - PAI-4-FIX RD - 3032732

Test plugs, Color: red

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Test plugs - PAI-4-FIX GN - 3032758

Test plugs, Color: green

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# Component terminal block - STME 6-DIO/L-R HV - 3035691

## Accessories

Test plugs - PAI-4-FIX BK - 3032774

Test plugs, Color: black

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Test plugs - PAI-4-FIX GY - 3032790

Test plugs, Color: gray

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Test plugs - PAI-4-FIX VT - 3032761

Test plugs, Color: violet

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Test plugs - PAI-4-FIX BN - 3032787

Test plugs, Color: brown

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Test plugs - PAIS-4-FIX GY - 3032791

Test plugs, Color: gray

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# Component terminal block - STME 6-DIO/L-R HV - 3035691

## Accessories

Test plugs - PAIS-4-FIX BK - 3032792

Test plugs, Color: black

Test plugs - PAIS-4-FIX RD - 3032793

Test plugs, Color: red

Test plugs - PS-6 - 3030996

Test plugs, Color: red

Test plugs - PS-6/2,3MM RD - 3038736

Test plugs, Color: red

## Necessary add-on products

Spacer plate - DP-STMED 6 - 3035690

Spacer plate, Length: 100.8 mm, Width: 8.2 mm, Color: gray

## Drawings

# Component terminal block - STME 6-DIO/L-R HV - 3035691

Circuit diagram

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