# Feed-through terminal block - OTTA 25-M6 - 0790491

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Universal terminal block with bolt connection, slotted-head screw, cross section: 1 ... 25 mm², width: 18 mm, color: gray

RoHS

## Key Commercial Data

| | |
|---|---|
| Packing unit | 50 pc |
| GTIN | 4 017918 005603 |
| GTIN | 4017918005603 |
| Weight per Piece (excluding packing) | 54.040 g |
| Custom tariff number | 85369010 |
| Country of origin | India |

## Technical data

### General

| | |
|---|---|
| Number of levels | 1 |
| Number of connections | 2 |
| Nominal cross section | 25 mm² |
| Color | gray |
| 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 | 3.26 W |
| Connection in acc. with standard | IEC 60947-7-1 |
| Nominal current $I_N$ | 101 A |
| Maximum load current | 101 A (with 25 mm² conductor cross section) |

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## Technical data

### General

| | |
|---|---|
| Nominal voltage $U_N$ | 800 V (the nominal voltage applies to insulated cable lugs) |
| Open side panel | Yes |
| Result of surge voltage test | Test passed |
| Surge voltage test setpoint | 9.8 kV |
| Result of power-frequency withstand voltage test | Test passed |
| Power frequency withstand voltage setpoint | 2.2 kV |
| Result of the test for mechanical stability of terminal points (5 x conductor connection) | Test passed |
| Result of tight fit on support | Test passed |
| Tight fit on carrier | NS 32/NS 35 |
| Setpoint | 10 N |
| Result of voltage-drop test | Test passed |
| Requirements, voltage drop | ≤ 3.2 mV |
| Result of temperature-rise test | Test passed |
| Short circuit stability result | Test passed |
| Conductor cross section short circuit testing | 25 mm² |
| Short-time current | 3 kA |
| Result of thermal test | Test passed |
| Proof of thermal characteristics (needle flame) effective duration | 30 s |
| 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

| | |
|---|---|
| Length | 60 mm |
| Width | 18 mm |
| Height NS 35/7,5 | 64.5 mm |
| Height NS 35/15 | 72 mm |

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## Technical data

### Dimensions

| | |
|---|---|
| Height NS 32 | 69.5 mm |

### Connection data

| | |
|---|---|
| Connection method | Bolt connection |
| Conductor cross section solid min. | 1.5 mm² |
| Conductor cross section solid max. | 25 mm² |
| Conductor cross section flexible min. | 1.5 mm² |
| Conductor cross section flexible max. | 25 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 1.5 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 25 mm² |
| Cable lug connection according to standard | DIN 46234 |
| Min. cross section for cable lug connection | 1.5 mm² |
| Max. cross section for cable lug connection | 25 mm² |
| Hole diameter, min. | 6.5 mm |
| Cable lug width, max. | 16 mm |
| Bolt diameter | 6 mm |
| Cable lug connection according to standard | DIN 46237 |
| Min. cross section for cable lug connection | 2.5 mm² |
| Max. cross section for cable lug connection | 6 mm² |
| Hole diameter, min. | 6.5 mm |
| Cable lug width, max. | 16 mm |
| Bolt diameter | 6 mm |
| Screw thread | M6 |
| Tightening torque, min | 3.2 Nm |
| Tightening torque max | 3.7 Nm |

### 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 |
| 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

| | |
|---|---|
| | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 50 |
| | For details about hazardous substances go to tab “Downloads”, Category “Manufacturer's declaration” |

## Drawings

# Feed-through terminal block - OTTA 25-M6 - 0790491

Circuit diagram

## Classifications

### eCl@ss

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

### 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

Approvals

DNV GL / CSA / UL Recognized / EAC

Ex Approvals

### Approval details

# Feed-through terminal block - OTTA 25-M6 - 0790491

## Approvals

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

| | | | |
|---|---|---|---|
| CSA | | http://www.csagroup.org/services-industries/product-listing/ | 13631 |

| | |
|---|---|
| Nominal voltage UN | 600 V |
| Nominal current IN | 100 A |
| mm²/AWG/kcmil | 18-4 |

| | | | |
|---|---|---|---|
| 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 | 115 A | 115 A |

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

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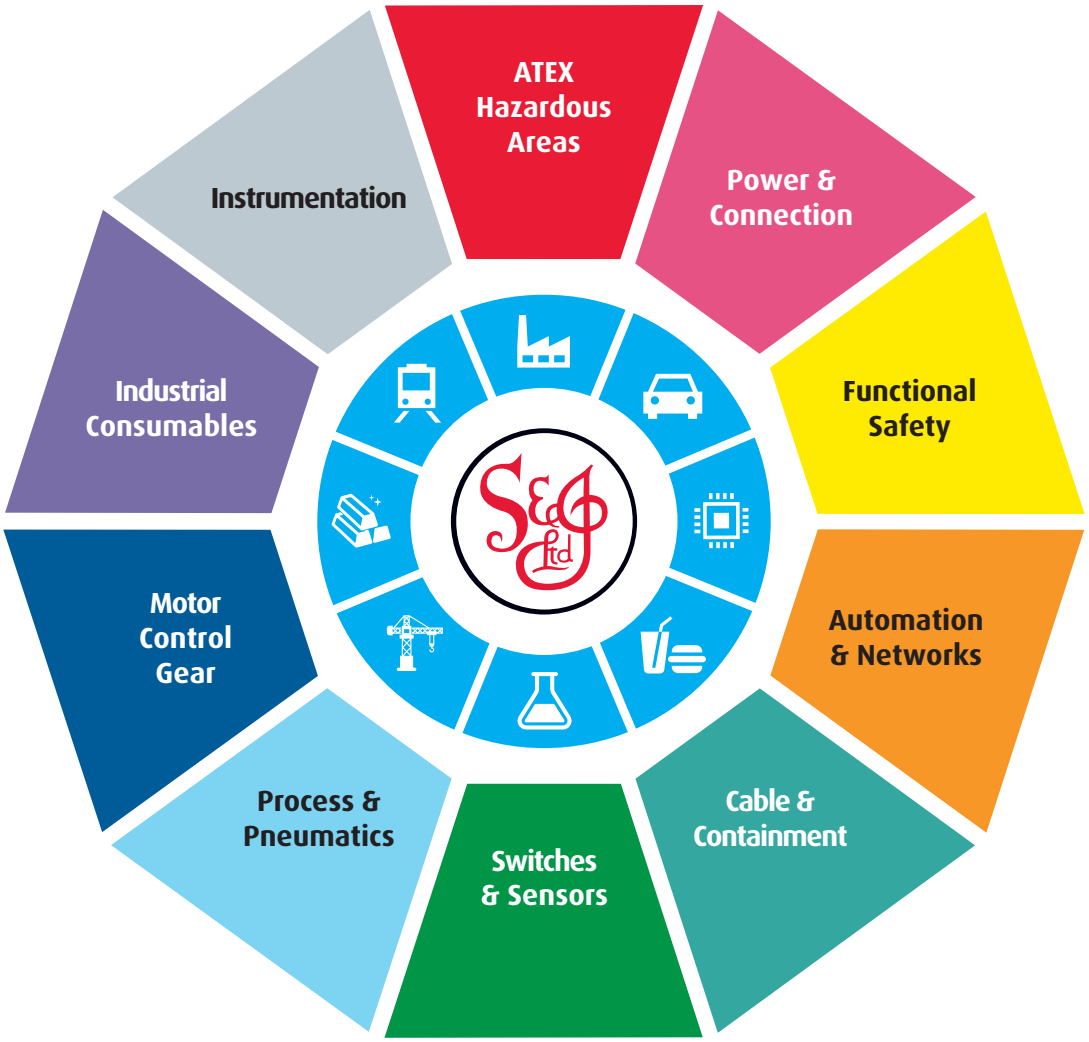


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