

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

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Universal terminal block with bolt connection, cross section: 1 - 25 mm<sup>2</sup>, width: 18 mm, color: gray

The illustration shows version OTTA 25-M5



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 005603
Weight per Piece (excluding packing)	54.636 g
Custom tariff number	85369010
Country of origin	India

### Technical data

#### General

Number of levels	1
Number of connections	2
Nominal cross section	25 mm <sup>2</sup>
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
Connection in acc. with standard	IEC 60947-7-1
Nominal current I <sub>N</sub>	101 A

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## Technical data

### General

Maximum load current	101 A (with 25 mm <sup>2</sup> conductor cross section)
Nominal voltage U <sub>N</sub>	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 mm <sup>2</sup>
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

### Dimensions

Length	60 mm
Width	18 mm
Height NS 35/7,5	64.5 mm
Height NS 35/15	72 mm
Height NS 32	69.5 mm

### 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.	1.5 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.	4
Screw thread	M6

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## Technical data

### Connection data

Tightening torque, min	3.2 Nm
Tightening torque max	3.7 Nm
Connection method	Bolt connection
Connection in acc. with standard	DIN 46 234
Min. cross section	1.5 mm <sup>2</sup>
Max. cross section	25 mm <sup>2</sup>
Hole diameter	6.5 mm
Bolt diameter	6 mm
Connection in acc. with standard	DIN 46237
Min. cross section	2.5 mm <sup>2</sup>
Max. cross section	6 mm <sup>2</sup>
Hole diameter	6.5 mm
Bolt diameter	6 mm

### Standards and Regulations

Connection in acc. with standard	CSA
	IEC 60947-7-1
	DIN 46 234
	DIN 46237
Flammability rating according to UL 94	V0

## Classifications

### 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
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

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## Classifications

### UNSPSC

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

## Approvals

### Approvals

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#### Approvals

CSA / UL Recognized / GL / EAC

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#### Ex Approvals


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#### Approvals submitted

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## Approval details

CSA 	
mm <sup>2</sup> /AWG/kcmil	18-4
Nominal current I <sub>N</sub>	100 A
Nominal voltage U <sub>N</sub>	600 V

UL Recognized 	
Nominal current I <sub>N</sub>	115 A
Nominal voltage U <sub>N</sub>	600 V

GL
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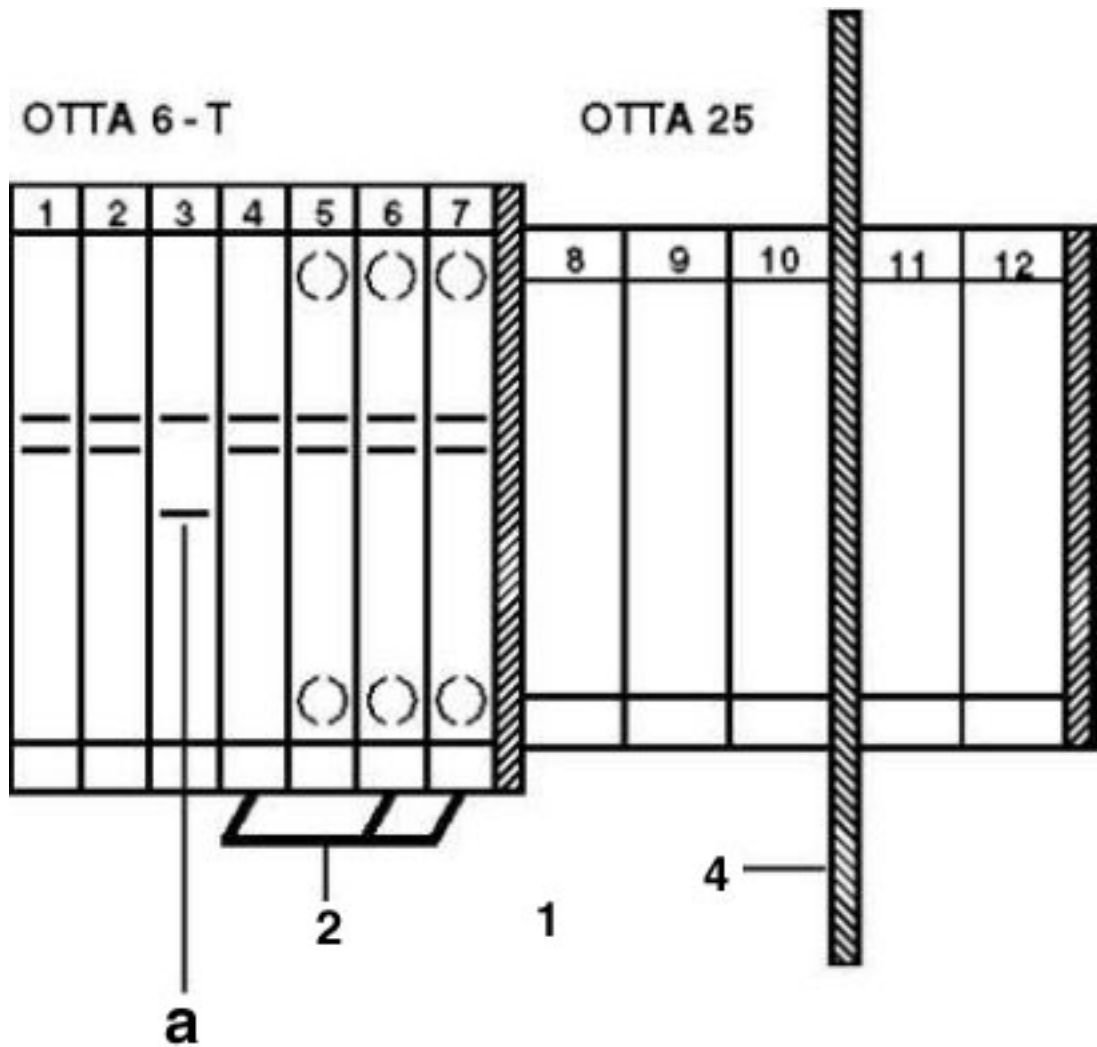
## Approvals

EAC

## Drawings

Circuit diagram

Circuit diagram



- a = open
- 1 = cover
- 2 = insertion bridge
- 4 = partition plate

