

# OTTA 25-M6 - Feed-through terminal block



0790491

<https://www.phoenixcontact.com/us/products/0790491>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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

## Commercial data

Item number	0790491
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE45
Product key	BE4513
GTIN	4017918005603
Weight per piece (including packing)	54.045 g
Weight per piece (excluding packing)	54.045 g
Customs tariff number	85369010
Country of origin	IN

# OTTA 25-M6 - Feed-through terminal block



0790491

<https://www.phoenixcontact.com/us/products/0790491>

## Technical data

### Notes

#### General

Note	The rated insulation voltage applies to insulated cable lugs acc. DIN 46237:1970-07 and for uninsulated cable lugs acc. DIN 46234:1980-03 with shrink sleeve.
------	---

### Product properties

Product type	Bolt connection terminal block
Product family	OTTA
Number of positions	1
Number of connections	2
Number of rows	1
Potentials	1

#### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	3.26 W

### Connection data

Number of connections per level	2
Nominal cross section	25 mm <sup>2</sup>

#### 1 level

Connection method	Bolt connection
Stripping length	The stripping length depends on the specification provided by the cable lug manufacturer.
Connection in acc. with standard	IEC 60947-7-1
Nominal cross section	25 mm <sup>2</sup>
Nominal current	101 A
Maximum load current	101 A (with 25 mm <sup>2</sup> conductor cross-section)
Nominal voltage	800 V (the nominal voltage applies to insulated cable lugs)

#### Cable lug connection DIN 46234:1980-03

Connection in acc. with standard	DIN 46234:1980-03
Cross section	1.5 mm <sup>2</sup> ... 25 mm <sup>2</sup>
Cross section range AWG	16 ... 4 (converted acc. to IEC)
Hole diameter	6.5 mm
Width	16 mm
Bolt diameter	6 mm

# OTTA 25-M6 - Feed-through terminal block



0790491

<https://www.phoenixcontact.com/us/products/0790491>

Screw thread	M6
Tightening torque	3.2 ... 3.7 Nm
Connection in acc. with standard	DIN 46237:1970-07
Cross section	1.5 mm <sup>2</sup> ... 25 mm <sup>2</sup>
Cross section range AWG	(converted acc. to IEC)
Hole diameter	6.5 mm
Width	16 mm
Bolt diameter	6 mm
Screw thread	M6
Tightening torque	3.2 ... 3.7 Nm

## Dimensions

Width	18.1 mm
End cover width	2 mm
Height	60 mm
Depth on NS 32	69.5 mm
Depth on NS 35/7,5	64.5 mm
Depth on NS 35/15	72 mm

## Material specifications

Color	gray (RAL 7042)
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °C
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
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
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

## Electrical tests

### Surge voltage test

Test voltage setpoint	9.8 kV
Result	Test passed

### Temperature-rise test

Requirement temperature-rise test	Increase in temperature ≤ 45 K
Result	Test passed
Short-time withstand current 25 mm <sup>2</sup>	3 kA
Result	Test passed

# OTTA 25-M6 - Feed-through terminal block



0790491

<https://www.phoenixcontact.com/us/products/0790491>

## Power-frequency withstand voltage

Test voltage setpoint	2 kV
Result	Test passed

## Mechanical properties

### Mechanical data

Open side panel	Yes
-----------------	-----

## Mechanical tests

### Mechanical strength

Result	Test passed
--------	-------------

### Attachment on the carrier

DIN rail/fixing support	NS 32/NS 35
Test force setpoint	10 N
Result	Test passed

## Environmental and real-life conditions

### Needle-flame test

Time of exposure	30 s
Result	Test passed

### Ambient conditions

Ambient temperature (operation)	-60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (operation)	20 % ... 90 %
Permissible humidity (storage/transport)	30 % ... 70 %

## Standards and regulations

Connection in acc. with standard	IEC 60947-7-1
----------------------------------	---------------

## Mounting

Mounting type	NS 35/7,5
	NS 35/15
	NS 32

# OTTA 25-M6 - Feed-through terminal block

0790491

<https://www.phoenixcontact.com/us/products/0790491>



## Drawings

### Circuit diagram

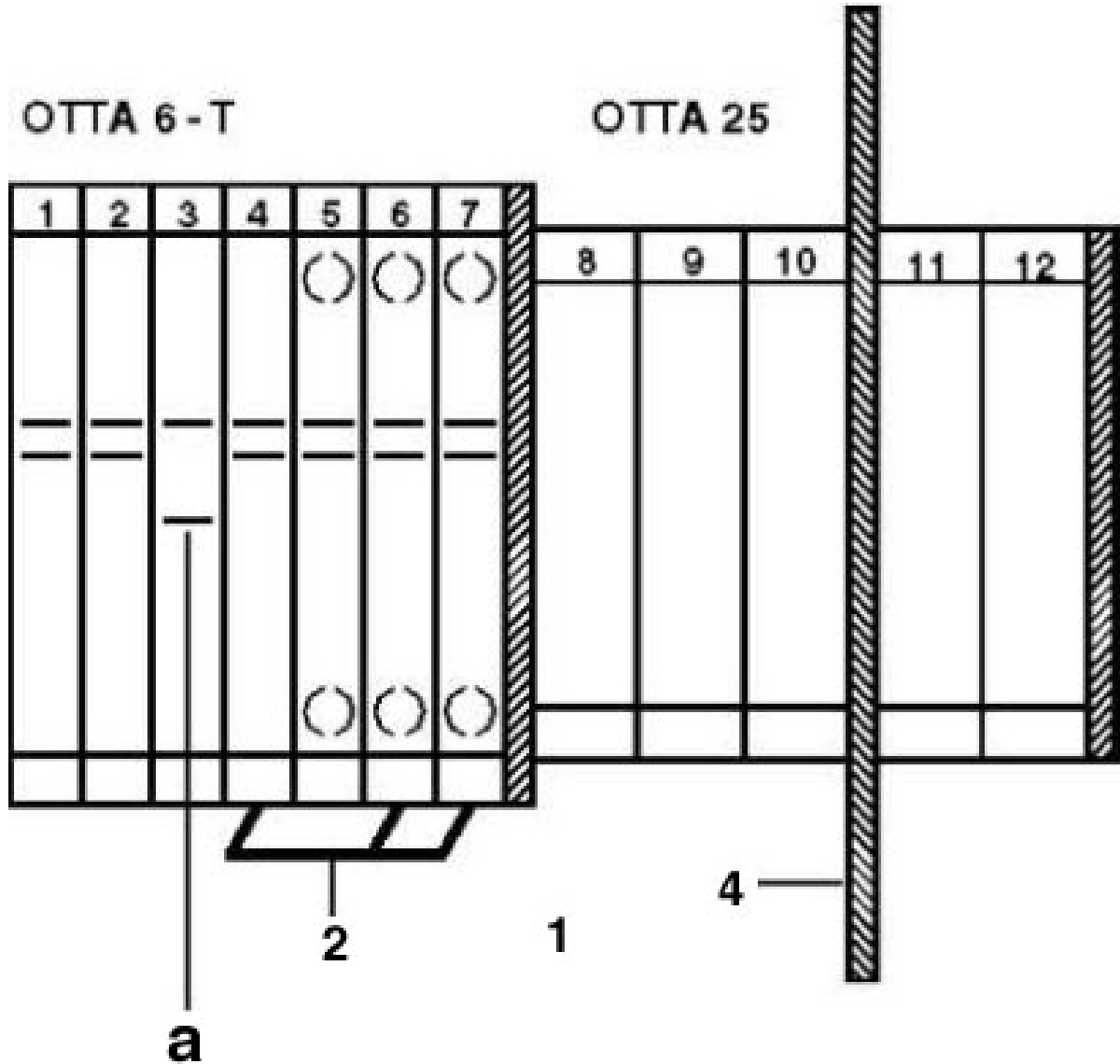


# OTTA 25-M6 - Feed-through terminal block

0790491

<https://www.phoenixcontact.com/us/products/0790491>

Circuit diagram



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

# OTTA 25-M6 - Feed-through terminal block





0790491


<https://www.phoenixcontact.com/us/products/0790491>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/0790491>

 <b>CSA</b> Approval ID: 13631				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
keine				
	600 V	100 A	18 - 4	-

 <b>UL Recognized</b> Approval ID: E60425				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
B				
	600 V	115 A	-	-
C				
	600 V	115 A	-	-

 <b>EAC</b> Approval ID: RU C-DE.BL08.B.00540				
---	--	--	--	--

<b>DNV</b> Approval ID: TAE00001CT				
---------------------------------------	--	--	--	--

# OTTA 25-M6 - Feed-through terminal block



0790491

<https://www.phoenixcontact.com/us/products/0790491>

## Classifications

### ECLASS

ECLASS-13.0	27250101
ECLASS-15.0	27250101

### ETIM

ETIM 10.0	EC000897
-----------	----------

### UNSPSC

UNSPSC 21.0	39121400
-------------	----------

# OTTA 25-M6 - Feed-through terminal block



0790491

<https://www.phoenixcontact.com/us/products/0790491>

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	7118caea-70d1-422b-a8dc-9b8bb3060b3a

Phoenix Contact 2026 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)