

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

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

The illustration shows version
OTTA 25-M5

Key commercial data

package_quantity	50
GTIN	4017918005603

Technical data

General

Number of levels	1
Number of connections	2
Color	gray
Insulating material	PA
Inflammability class according to UL 94	V0

General

Rated surge voltage	8 kV
Pollution degree	3
Surge voltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1
Nominal current I _N	101 A
Nominal voltage U _N	800 V (the nominal voltage applies to insulated cable lugs)
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
Tight fit on carrier	NS 32/NS 35
Setpoint	10 N
Result of tight fit test	Test passed

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

Technical data

General

Requirements, voltage drop	≤ 3.2 mV
Result of voltage drop test	Test passed
Temperature-rise test	Test passed
Conductor cross section short circuit testing	25 mm ²
Short-time current	3 kA
Short circuit stability result	Test passed
Proof of thermal characteristics (needle flame) effective duration	30 s
Result of thermal test	Test passed
Temperature index, insulating 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 mm

Connection data

Conductor cross section solid min.	1.5 mm ²
Conductor cross section solid max.	25 mm ²
Conductor cross section stranded min.	1.5 mm ²
Conductor cross section stranded max.	25 mm ²
Conductor cross section AWG/kcmil min.	16
Conductor cross section AWG/kcmil max	4
Screw thread	M6
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 ²
Max. cross section	25 mm ²
Hole diameter	6.5 mm
Bolt diameter	6 mm
Connection in acc. with standard	DIN 46237
Min. cross section	2.5 mm ²
Max. cross section	6 mm ²
Hole diameter	6.5 mm
Bolt diameter	6 mm

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

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

ETIM

ETIM 2.0	EC000897
ETIM 3.0	EC000897
ETIM 4.0	EC000897
ETIM 5.0	EC000897

UNSPSC

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

approvals

CSA / UL Recognized / GOST / LR / GL / GOST /

Approval details

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

UL Recognized 	
Nominal voltage UN	600 V
Nominal current IN	115 A
mm²/AWG/kcmil	

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

approvals

GOST 

LR

GL



accessories

End cover

D-OTTA 25 - 0790514



Partition plate

ATP-OTTA 25 - 0790501



Screwdriver tools

SZS 1,0X6,5 VDE - 1205079



Bridge

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

accessories

EB 3-OTTA 6 - 3026036



EB 4-OTTA 6 - 3026049



EB 7-OTTA 6 - 3026052



EB 10- OTTA 6 - 0790420



EB 2- OTTA 6 - 0790608



Mounting rail

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

accessories

NS 32 PERF 2000MM - 1201002



NS 32 UNPERF 2000MM - 1201015



NS 35/ 7,5 PERF 2000MM - 0801733



NS 35/ 7,5 UNPERF 2000MM - 0801681



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



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



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

accessories

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



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



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



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



NS 35/ 7,5 CAP - 1206560



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accessories

NS 35/15 PERF 2000MM - 1201730



NS 35/15 UNPERF 2000MM - 1201714



NS 35/15 WH PERF 2000MM - 0806602



NS 35/15 WH UNPERF 2000MM - 1204135



NS 35/15 AL UNPERF 2000MM - 1201756



NS 35/15 ZN PERF 2000MM - 1206599



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

accessories

NS 35/15 ZN UNPERF 2000MM - 1206586



NS 35/15 CU UNPERF 2000MM - 1201895



NS 35/15 CAP - 1206573



NS 35/15-2,3 UNPERF 2000MM - 1201798



Terminal marking

ZB 10:UNBEDRUCKT - 1053001



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accessories

UC-TM 10 - 0818069



UCT-TM 10 - 0829142



Labeled terminal marker

ZB 10 CUS - 0824941



UC-TM 10 CUS - 0824605



UCT-TM 10 CUS - 0829623



End block

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

accessories

CLIPFIX 35 - 3022218



CLIPFIX 35-5 - 3022276



E/NS 35 N - 0800886



E/UK - 1201442



E/UK 1 - 1201413



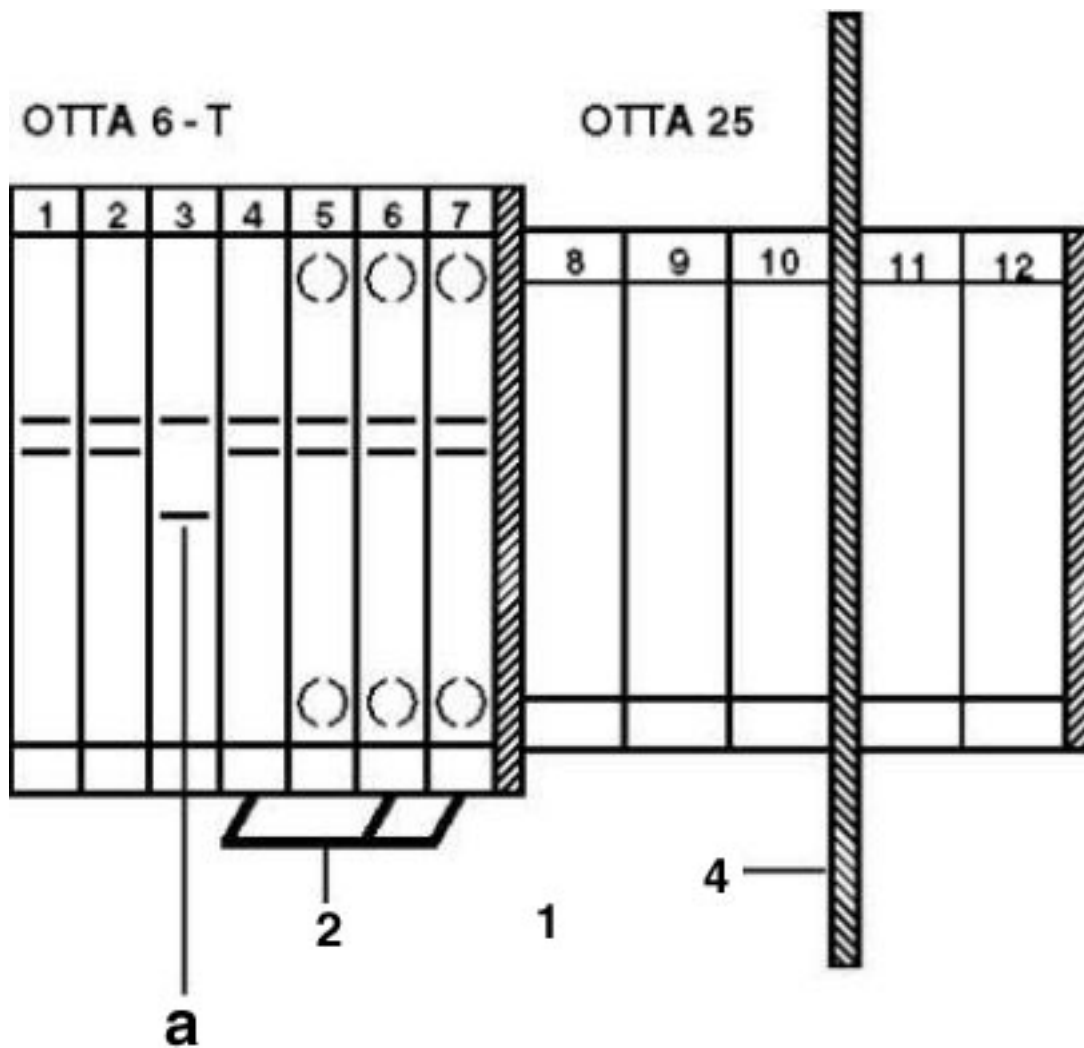
Drawings

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Circuit diagram



Circuit diagram



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

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