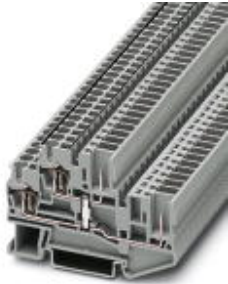


## Double-level terminal block - STTB 2,5/2P-PV - 3040070

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Double-level terminal block, With equipotential bond, Cross section: 0.08 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 28 - 12, Connection type: Spring-cage/plug-in connection, Width: 5.2 mm, Color: gray, Mounting type: NS 35/15, NS 35/7,5

### Product Features

- Tested for railway applications
- Potential routing on two levels



### Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	10.76 g
Custom tariff number	85369010
Country of origin	Poland

### Technical data

#### General

Number of levels	2
Number of connections	4
Nominal cross section	2.5 mm <sup>2</sup>
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Area of application	Railway industry
	Machine building
	Plant engineering
Rated surge voltage	6 kV
Degree of pollution	3
Overvoltage category	III

## Double-level terminal block - STTB 2,5/2P-PV - 3040070

### Technical data

#### General

Insulating material group	I
Connection in acc. with standard	IEC 61984
Nominal current $I_N$	22 A
Maximum load current	22 A (with 4 mm <sup>2</sup> conductor cross section)
Nominal voltage $U_N$	500 V
Open side panel	Yes
Insertion/withdrawal cycles mechanical	100
Result of surge voltage test	Test passed
Surge voltage test setpoint	7.3 kV
Result of power-frequency withstand voltage test	Test passed
Power frequency withstand voltage setpoint	3.31 kV
Result of tight fit on support	Test passed
Tight fit on carrier	NS 35
Setpoint	1 N
Short circuit stability result	Test passed
Conductor cross section short circuit testing	2.5 mm <sup>2</sup>
Short-time current	0.3 kA
Result of thermal test	Test passed
Proof of thermal characteristics (needle flame) effective duration	30 s
Oscillation, broadband noise test result	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	$f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$
ASD level	0.964 (m/s <sup>2</sup> ) <sup>2</sup> /Hz
Acceleration	0.58 g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Shock test result	Test passed
Test specification, shock test	DIN EN 50155 (VDE 0115-200):2008-03
Shock form	Half-sine
Acceleration	5 g
Shock duration	30 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
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

## Double-level terminal block - STTB 2,5/2P-PV - 3040070

### Technical data

#### Dimensions

Width	5.2 mm
Length	71.5 mm
Height NS 35/7,5	47.5 mm
Height NS 35/15	55 mm

#### Connection data

Connection method	Spring-cage/plug-in connection
Conductor cross section solid min.	0.08 mm <sup>2</sup>
Conductor cross section solid max.	4 mm <sup>2</sup>
Conductor cross section flexible min.	0.08 mm <sup>2</sup>
Conductor cross section flexible max.	2.5 mm <sup>2</sup>
Conductor cross section AWG min.	28
Conductor cross section AWG max.	12
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.14 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.14 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	0.5 mm <sup>2</sup>
Stripping length	8 mm ... 10 mm
Internal cylindrical gage	A3

#### Standards and Regulations

Connection in acc. with standard	CSA
	IEC 61984
Flammability rating according to UL 94	V0

### Classifications

#### eCl@ss

eCl@ss 4.0	27141117
eCl@ss 4.1	27141117
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

## Double-level terminal block - STTB 2,5/2P-PV - 3040070

### Classifications

#### 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

#### Approvals

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#### Approvals

CSA / UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / LR / GL / BV / RS / IECCEB Scheme / EAC / EAC / cULus Recognized

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#### Ex Approvals

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#### Approvals submitted


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### Approval details


CSA 				
	B	C	D	
	mm <sup>2</sup> /AWG/kcmil	24-12	24-12	24-12
	Nominal current I <sub>N</sub>	20 A	20 A	5 A
	Nominal voltage U <sub>N</sub>	300 V	300 V	600 V

## Double-level terminal block - STTB 2,5/2P-PV - 3040070

### Approvals

UL Recognized 			
	B	C	D
mm <sup>2</sup> /AWG/kcmil	28-12	28-12	28-12
Nominal current I <sub>N</sub>	20 A	20 A	5 A
Nominal voltage U <sub>N</sub>	300 V	300 V	600 V

VDE Gutachten mit Fertigungsüberwachung 	
mm <sup>2</sup> /AWG/kcmil	0.2-4
Nominal voltage U <sub>N</sub>	500 V


cUL Recognized 			
	B	C	D
mm <sup>2</sup> /AWG/kcmil	28-12	28-12	28-12
Nominal current I <sub>N</sub>	20 A	20 A	5 A
Nominal voltage U <sub>N</sub>	300 V	300 V	600 V

LR

GL

BV

RS


IECEE CB Scheme 	
mm <sup>2</sup> /AWG/kcmil	0.2-4
Nominal voltage U <sub>N</sub>	500 V

## Double-level terminal block - STTB 2,5/2P-PV - 3040070

### Approvals

EAC

EAC

cULus Recognized  US

### Drawings

#### Diagram

Applies  
to  
all  
male  
connector  
variants  
SP... .

#### Circuit diagram



## Double-level terminal block - STTB 2,5/2P-PV - 3040070

Dimensional drawing

