

# Feed-through terminal block - VBSTB 4-FS (6-2,8-0,8) - 3070435

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Feed-through terminal block, Connection type: Screw connection, Slip-on connection, Cross section: 0.2 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG :20- 14, Width: 6.2 mm, Color: gray, Mounting: NS 35/7,5, NS 35/15

## Key commercial data

package_quantity	50
GTIN	4046356569705

## Technical data

### General

Number of levels	2
Number of connections	4
Color	gray
Insulating material	PA
Inflammability class according to UL 94	V0

### General

Maximum load current	32 A (with 4 mm <sup>2</sup> conductor cross section)
Rated surge voltage	8 kV
Pollution degree	3
Surge voltage category	III
Insulating material group	I
Nominal current I <sub>N</sub>	24 A
Nominal voltage U <sub>N</sub>	800 V
Open side panel	ja
Insertion/withdrawal cycles mechanical	100
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Back of the hand protection	guaranteed
Finger protection	guaranteed
Surge voltage test setpoint	9.8 kV
Result of surge voltage test	Test passed
Power frequency withstand voltage setpoint	2 kV
Result of power-frequency withstand voltage test	Test passed
Checking the mechanical stability of terminal points (5 x conductor connection)	Test passed

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### Technical data

#### General

Bending test rotation speed	10 rpm
Bending test turns	135
Bending test conductor cross section/weight	0.2 mm <sup>2</sup> / 0.2 kg
Bending test conductor cross section/weight	2.5 mm <sup>2</sup> / 0.7 kg
Bending test conductor cross section/weight	4 mm <sup>2</sup> / 0.9 kg
Result of bending test	Test passed
Conductor cross section tensile test	0.2 mm <sup>2</sup>
Tractive force setpoint	10 N
Conductor cross section tensile test	25 mm <sup>2</sup>
Tractive force setpoint	50 N
Conductor cross section tensile test	4 mm <sup>2</sup>
Tractive force setpoint	60 N
Tensile test result	Test passed
Tight fit on carrier	NS 35
Setpoint	1 N
Result of tight fit test	Test passed
Result of voltage drop test	Test passed
Temperature-rise test	Test passed
Conductor cross section short circuit testing	4 mm <sup>2</sup>
Short-time current	0.48 kA
Short circuit stability result	Test passed
Proof of thermal characteristics (needle flame) effective duration	30 s
Result of thermal test	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 <sub>1</sub> = 5 Hz to f <sub>2</sub> = 150 Hz
ASD level	1.857 (m/s <sup>2</sup> ) <sup>2</sup> /Hz
Acceleration	0.8 g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Oscillation, broadband noise 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.)
Shock test result	Test passed
Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Static insulating material application in cold	-60 °C

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## Technical data

### Dimensions

<b>Width</b>	6.2 mm
<b>Length</b>	72 mm
<b>Height NS 35/7,5</b>	39.5 mm
<b>Height NS 35/15</b>	47 mm
<b>End cover width</b>	2.2 mm

### Connection data

<b>Connection method</b>	Screw connection
<b>Stripping length</b>	8 mm
<b>Internal cylindrical gage</b>	A4
<b>Tightening torque, min</b>	0.6 Nm
<b>Tightening torque max</b>	0.8 Nm
<b>Conductor cross section solid min.</b>	0.2 mm <sup>2</sup>
<b>Conductor cross section solid max.</b>	4 mm <sup>2</sup>
<b>Conductor cross section stranded min.</b>	0.2 mm <sup>2</sup>
<b>Conductor cross section stranded max.</b>	2.5 mm <sup>2</sup>
<b>Conductor cross section AWG/kcmil min.</b>	24
<b>Conductor cross section AWG/kcmil max</b>	12
<b>Conductor cross section stranded, with ferrule without plastic sleeve min.</b>	0.25 mm <sup>2</sup>
<b>Value</b>	0.25 mm <sup>2</sup>
<b>Conductor cross section stranded, with ferrule without plastic sleeve max.</b>	4 mm <sup>2</sup>
<b>Value</b>	4 mm <sup>2</sup>
<b>Conductor cross section stranded, with ferrule with plastic sleeve min.</b>	0.25 mm <sup>2</sup>
<b>Value</b>	0.25 mm <sup>2</sup>
<b>Conductor cross section stranded, with ferrule with plastic sleeve max.</b>	2.5 mm <sup>2</sup>
<b>Value</b>	2.5 mm <sup>2</sup>
<b>2 conductors with same cross section, solid min.</b>	0.2 mm <sup>2</sup>
<b>2 conductors with same cross section, solid max.</b>	1.5 mm <sup>2</sup>
<b>2 conductors with same cross section, stranded min.</b>	0.2 mm <sup>2</sup>
<b>2 conductors with same cross section, stranded max.</b>	1.5 mm <sup>2</sup>
<b>2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.</b>	0.25 mm <sup>2</sup>
<b>Value</b>	0.25 mm <sup>2</sup>
<b>2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.</b>	1 mm <sup>2</sup>
<b>Value</b>	1 mm <sup>2</sup>
<b>2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.</b>	0.5 mm <sup>2</sup>
<b>Value</b>	0.5 mm <sup>2</sup>

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## Technical data

### Connection data

<b>2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.</b>	1.5 mm <sup>2</sup>
<b>Value</b>	1.5 mm <sup>2</sup>
<b>Cross section with insertion bridge, solid max.</b>	2.5 mm <sup>2</sup>
<b>Cross section with insertion bridge, stranded max.</b>	2.5 mm <sup>2</sup>

### Connection data

<b>Connection method</b>	Slip-on connection
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## classifications

### eCl@ss

<b>eCl@ss 4.0</b>	27141120
<b>eCl@ss 4.1</b>	27141120
<b>eCl@ss 5.0</b>	27141120
<b>eCl@ss 5.1</b>	27141120
<b>eCl@ss 6.0</b>	27141120
<b>eCl@ss 7.0</b>	27141120
<b>eCl@ss 8.0</b>	27141120

### ETIM

<b>ETIM 3.0</b>	EC000897
<b>ETIM 4.0</b>	EC000897
<b>ETIM 5.0</b>	EC000897


### UNSPSC

<b>UNSPSC 6.01</b>	30211811
<b>UNSPSC 7.0901</b>	39121410
<b>UNSPSC 11</b>	39121410
<b>UNSPSC 12.01</b>	39121410
<b>UNSPSC 13.2</b>	39121410

## approvals

UL Recognized / CSA /


### Approval details

<b>UL Recognized</b> 		
<b>Usegroups</b>	<b>B</b>	<b>C</b>
Nominal voltage UN	300 V	300 V
Nominal current IN	20 A	20 A

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## approvals

Usegroups	B	C
mm <sup>2</sup> /AWG/kcmil	30-10	30-10

CSA 			
Usegroups	B	C	D
Nominal voltage UN	300 V	300 V	600 V
Nominal current IN	20 A	20 A	5 A
mm <sup>2</sup> /AWG/kcmil	30-10	30-10	30-10

## accessories

### End cover

D/TP-VBS - 0851026



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## Terminal marking

SBS 6:UNBEDRUCKT - 1007222



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ZB 6:UNBEDRUCKT - 1051003



## Feed-through terminal block - VBSTB 4-FS (6-2,8-0,8) - 3070435

### accessories

UC-TM 6 - 0818085



UCT-TM 6 - 0828736



### Screwdriver tools

SZS 0,6X3,5 - 1205053



### Bridge

EB 2- 6 - 0201155



EB 3- 6 - 0201142



## Feed-through terminal block - VBSTB 4-FS (6-2,8-0,8) - 3070435

accessories

EB 10- 6 - 0201139



FBS 1/3-6 - 3032321



FBS 2-6 - 3030336



FBS 2-6 BU - 3036932



FBS 2-6 GY - 3032237



FBS 3-6 - 3030242



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## accessories

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FBS 3-6 BU - 3036945



FBS 3-6 GY - 3032240



FBS 4-6 - 3030255



FBS 4-6 BU - 3036958



FBS 4-6 GY - 3032279



## Feed-through terminal block - VBSTB 4-FS (6-2,8-0,8) - 3070435

### accessories

FBS 5-6 - 3030349



FBS 5-6 GY - 3032266



FBS 1/4-6 - 3032512

FBS 1/5-6 - 3032525

FBS 1/6-6 - 3032538

FBS 10-6 - 3030271



# Feed-through terminal block - VBSTB 4-FS (6-2,8-0,8) - 3070435

## accessories

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FBS 10-6 BU - 3032198



FBS 10-6 GY - 3032253



FBS 20-6 - 3030365



FBS 20-6 BU - 3032208



FBS 50-6 - 3032224



## Feed-through terminal block - VBSTB 4-FS (6-2,8-0,8) - 3070435

accessories

FBS 50-6 BU - 3032211



FBS 5-6 BU - 3036961



### Mounting rail

NS 35/ 7,5 PERF 2000MM - 0801733



NS 35/ 7,5 UNPERF 2000MM - 0801681



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



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### accessories

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



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



## Feed-through terminal block - VBSTB 4-FS (6-2,8-0,8) - 3070435 accessories

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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



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accessories

NS 35/15 ZN PERF 2000MM - 1206599



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



**Labeled terminal marker**

## Feed-through terminal block - VBSTB 4-FS (6-2,8-0,8) - 3070435

accessories

ZB 6 CUS - 0824992



UC-TM 6 CUS - 0824589



UCT-TM 6 CUS - 0829602



### End block

CLIPFIX 35 - 3022218



CLIPFIX 35-5 - 3022276



# Feed-through terminal block - VBSTB 4-FS (6-2,8-0,8) - 3070435

accessories

E/NS 35 N - 0800886



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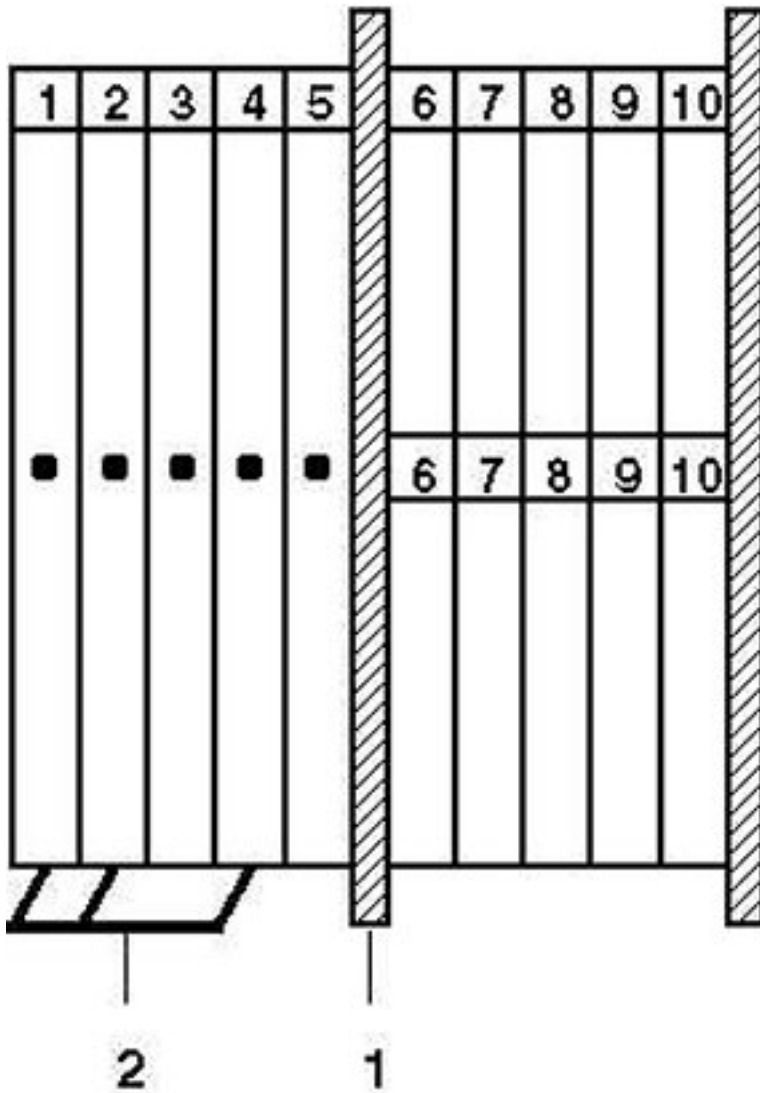
## Drawings

Circuit diagram



# Feed-through terminal block - VBSTB 4-FS (6-2,8-0,8) - 3070435

Circuit diagram



1 = cover with partition plate 2 = insertion bridge

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