

TB 4-HESI (5X20) I - Fuse terminal block



3246418

<https://www.phoenixcontact.com/mx/products/3246418>

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Fuse terminal block, fuse type: G / 5 x 20, nom. voltage: 500 V, nominal current: 6.3 A, number of positions: 1, connection method: Screw connection, Rated cross section: 4 mm², cross section: 0.5 mm²- 6 mm², mounting type: NS 35/7,5, NS 35/15, NS 32, color: dark gray

Commercial data

Item number	3246418
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	02
Product key	BEK234
GTIN	4046356608602
Weight per piece (including packing)	12.853 g
Weight per piece (excluding packing)	11.869 g
Customs tariff number	85369085
Country of origin	CN

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Technical data

Notes

General

Note	The current is determined by the fuse used, the voltage by the fuse or selected light indicator.
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Product properties

Product type	Fuse terminal block
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	6 kV
Maximum power dissipation for nominal condition	1.02 W
Fuse	G / 5 x 20

Connection data

Number of connections per level	2
Nominal cross section	4 mm ²
Rated cross section AWG	10
Connection method	Screw connection
Screw thread	M3
Tightening torque	0.5 ... 0.6 Nm
Stripping length	9 mm
Internal cylindrical gage	A3
Connection in acc. with standard	IEC 60947-7-3
Conductor cross-section rigid	0.5 mm ² ... 6 mm ²
Cross section AWG	20 ... 10 (converted acc. to IEC)
Conductor cross-section flexible	0.5 mm ² ... 4 mm ²
Conductor cross-section, flexible [AWG]	20 ... 12 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm ² ... 4 mm ²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.5 mm ² ... 2.5 mm ²
Cross-section with insertion bridge, rigid	0.5 mm ² ... 4 mm ²
Cross-section with insertion bridge, flexible	0.5 mm ² ... 4 mm ²
Cross-section with insertion bridge, flexible, with ferrule without plastic sleeve	0.5 mm ² (2.5 mm ²)
Cross-section with insertion bridge, flexible, with ferrule with	0.5 mm ² ... 1.5 mm ²

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3246418

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plastic sleeve	
2 conductors with same cross section, solid	0.5 mm ² ... 1.5 mm ²
2 conductors with the same cross-section AWG rigid	20 ... 14 (converted acc. to IEC)
2 conductors with same cross section, flexible	0.5 mm ² ... 1.5 mm ²
2 conductors with the same cross-section AWG flexible	20 ... 14 (converted acc. to IEC)
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.5 mm ² ... 1.5 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ² ... 1.5 mm ²
Nominal current	6.3 A
Maximum load current	6.3 A (the current is determined by the fuse used)
Nominal voltage	500 V (the voltage is determined by the fuse used)
Nominal cross section	4 mm ²

Dimensions

Width	8.2 mm
Height	58 mm
Depth on NS 32	53 mm
Depth on NS 35/7,5	48 mm
Depth on NS 35/15	55.5 mm

Material specifications

Color	traffic grey B (RAL 7043)
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

Mechanical properties

Mechanical data

Open side panel	Yes
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Environmental and real-life conditions

Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Spectrum	Long life test category 1, class B, body mounted

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3246418

<https://www.phoenixcontact.com/mx/products/3246418>

Frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$
ASD level	$1.857 \text{ (m/s}^2\text{)}^2\text{/Hz}$
Acceleration	0.8g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Result	Test passed

Shocks

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Pulse shape	Half-sine
Acceleration	5g
Shock duration	30 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
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 60947-7-3
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Mounting

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

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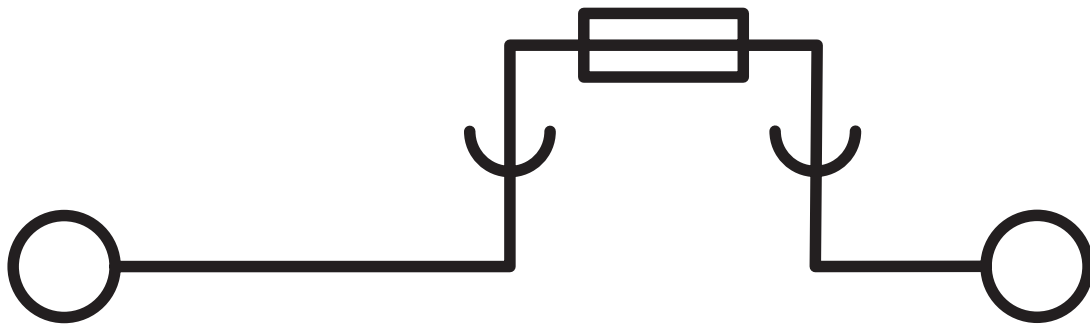


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Drawings

Circuit diagram



TB 4-HESI (5X20) I - Fuse terminal block



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/mx/products/3246418>

 cULus Recognized Approval ID: E60425				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B				
	600 V	6.3 A	20 - 10	-
C				
	600 V	6.3 A	20 - 10	-

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Classifications

ECLASS

ECLASS-13.0	27250113
ECLASS-15.0	27250113

ETIM

ETIM 9.0	EC000899
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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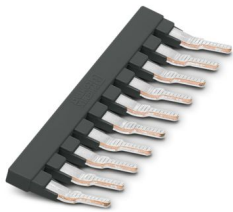
Accessories

i Note: Applying some accessories below might limit this product.

INBS 10-8 - Insertion bridge

3247159

<https://www.phoenixcontact.com/mx/products/3247159>



Insertion bridge, Bridging in the terminal point, number of positions: 10, color: dark gray

i Max. current carrying capacity: 14 A

D-TB 4-HESI - Cover

3059812

<https://www.phoenixcontact.com/mx/products/3059812>



Cover, depth: 35.1 mm, width: 2.2 mm, height: 58 mm, color: dark gray

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UM-TM (8X10) - Marker for terminal blocks

0830918

<https://www.phoenixcontact.com/mx/products/0830918>



Marker for terminal blocks, Strip, white, unmarked, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: latching, Number of individual labels: 14, text field height: 10 mm, text field width: 8 mm

NS 32 PERF 2000MM-VPE 10 - DIN rail perforated

1201002

<https://www.phoenixcontact.com/mx/products/1201002>



DIN rail perforated, Pack of 10 (20 m), acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, G profile, color: silver

TB 4-HESI (5X20) I - Fuse terminal block

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NS 32 UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1201015

<https://www.phoenixcontact.com/mx/products/1201015>

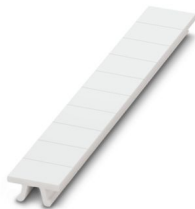


DIN rail, unperforated, Pack of 10 (20 m), acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, G profile, color: silver-colored

ZB 8:UNBEDRUCKT - Zack marker strip

1052002

<https://www.phoenixcontact.com/mx/products/1052002>



Zack marker strip, Strip, white, unmarked, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: latching, for terminal block width: 8.2 mm, Number of individual labels: 10, text field height: 10.5 mm, text field width: 8.15 mm

TB 4-HESI (5X20) I - Fuse terminal block

3246418

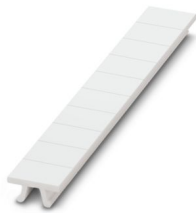
<https://www.phoenixcontact.com/mx/products/3246418>



ZB 8 CUS - Zack marker strip

0825011

<https://www.phoenixcontact.com/mx/products/0825011>



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 8.2 mm, Number of individual labels: 10, text field height: 8.15 mm, text field width: 10.5 mm

UC-TM 8 - Marker for terminal blocks

0818072

<https://www.phoenixcontact.com/mx/products/0818072>



Marker for terminal blocks, Sheet, white, unmarked, can be labeled with: BLUEMARK E.CARD, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: latching, for terminal block width: 8.2 mm, Number of individual labels: 56, text field height: 10.5 mm, text field width: 7.6 mm

TB 4-HESI (5X20) I - Fuse terminal block

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UC-TM 8 CUS - Marker for terminal blocks

0824597

<https://www.phoenixcontact.com/mx/products/0824597>



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 8.2 mm, Number of individual labels: 56, text field height: 10.5 mm, text field width: 7.6 mm

UCT-TM 8 - Marker for terminal blocks

0828740

<https://www.phoenixcontact.com/mx/products/0828740>



Marker for terminal blocks, Sheet, white, unmarked, can be labeled with: BLUEMARK E.CARD, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME 2.0, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, TOPMARK NEO, TOPMARK LASER, mounting type: latching, for terminal block width: 8.2 mm, Number of individual labels: 42, text field height: 10.5 mm, text field width: 7.6 mm

TB 4-HESI (5X20) I - Fuse terminal block

3246418

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UCT-TM 8 CUS - Marker for terminal blocks

0829616

<https://www.phoenixcontact.com/mx/products/0829616>

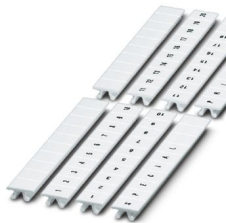


Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 8.2 mm, Number of individual labels: 42, text field height: 10.5 mm, text field width: 7.6 mm

ZB 8,LGS:FORTL.ZAHLEN - Zack marker strip

1052015

<https://www.phoenixcontact.com/mx/products/1052015>



Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: latching, for terminal block width: 8.2 mm, Number of individual labels: 10, text field height: 10.5 mm, text field width: 8.15 mm

TB 4-HESI (5X20) I - Fuse terminal block



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ZB 8,QR:FORTL.ZAHLEN - Zack marker strip

1052028

<https://www.phoenixcontact.com/mx/products/1052028>

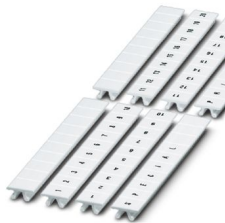


Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: latching, for terminal block width: 8.2 mm, Number of individual labels: 10, text field height: 10.5 mm, text field width: 8.15 mm

ZB 8,LGS:L1-N,PE - Marker for terminal blocks

1052413

<https://www.phoenixcontact.com/mx/products/1052413>



Marker for terminal blocks, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, horizontal: L1, L2, L3, N, PE, L1, L2, L3, N, PE, mounting type: latching, for terminal block width: 8.2 mm, Number of individual labels: 10, text field height: 10.5 mm, text field width: 8.15 mm

TB 4-HESI (5X20) I - Fuse terminal block

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NS 35/ 7,5 PERF 2000MM - DIN rail perforated

0801733

<https://www.phoenixcontact.com/mx/products/0801733>



DIN rail perforated, Pack of 25 (50 m), acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver

NS 35/ 7,5 UNPERF 2000MM - DIN rail, unperforated

0801681

<https://www.phoenixcontact.com/mx/products/0801681>



DIN rail, unperforated, Pack of 25 (50 m), acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver-colored

TB 4-HESI (5X20) I - Fuse terminal block

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NS 35/ 7,5 WH PERF 2000MM - DIN rail perforated

1204119

<https://www.phoenixcontact.com/mx/products/1204119>



DIN rail perforated, Pack of 25 (50 m), acc. to EN 60715, material: Steel, galvanized, white passivated, Standard profile, color: silver-colored

NS 35/ 7,5 WH UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1204122

<https://www.phoenixcontact.com/mx/products/1204122>



DIN rail, unperforated, Pack of 10 (20 m), acc. to EN 60715, material: Steel, galvanized, white passivated, Standard profile, color: silver-colored

TB 4-HESI (5X20) I - Fuse terminal block

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NS 35/ 7,5 AL UNPERF 2000MM - DIN rail, unperforated

0801704

<https://www.phoenixcontact.com/mx/products/0801704>



DIN rail, unperforated, Pack of 25 (50 m), acc. to EN 60715, material: Aluminum, uncoated, Standard profile, color: silver-colored

NS 35/ 7,5 ZN PERF 2000MM - DIN rail perforated

1206421

<https://www.phoenixcontact.com/mx/products/1206421>



DIN rail perforated, Pack of 25 (50 m), acc. to EN 60715, material: Steel, galvanized, Standard profile, color: silver-colored

TB 4-HESI (5X20) I - Fuse terminal block

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NS 35/ 7,5 ZN UNPERF 2000MM - DIN rail, unperforated

1206434

<https://www.phoenixcontact.com/mx/products/1206434>



DIN rail, unperforated, Pack of 25 (50 m), acc. to EN 60715, material: Steel, galvanized, Standard profile, color: silver-colored

NS 35/ 7,5 CU UNPERF 2000MM-VPE 10 - DIN rail, unperforated

0801762

<https://www.phoenixcontact.com/mx/products/0801762>



DIN rail, unperforated, Pack of 10 (20 m), acc. to EN 60715, material: Copper, uncoated, Standard profile, color: copper-colored

TB 4-HESI (5X20) I - Fuse terminal block

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NS 35/ 7,5 CAP - End cap

1206560

<https://www.phoenixcontact.com/mx/products/1206560>

DIN rail end piece, for DIN rail NS 35/7.5



NS 35/15 PERF 2000MM - DIN rail perforated

1201730

<https://www.phoenixcontact.com/mx/products/1201730>



DIN rail perforated, Pack of 25 (50 m), similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver-colored

TB 4-HESI (5X20) I - Fuse terminal block

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NS 35/15 UNPERF 2000MM - DIN rail, unperforated

1201714

<https://www.phoenixcontact.com/mx/products/1201714>



DIN rail, unperforated, Pack of 25 (50 m), similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver-colored

NS 35/15 WH PERF 2000MM - DIN rail perforated

0806602

<https://www.phoenixcontact.com/mx/products/0806602>



DIN rail perforated, Pack of 25 (50 m), similar to EN 60715, material: Steel, galvanized, white passivated, Standard profile, color: white

TB 4-HESI (5X20) I - Fuse terminal block

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NS 35/15 WH UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1204135

<https://www.phoenixcontact.com/mx/products/1204135>



DIN rail, unperforated, Pack of 10 (20 m), similar to EN 60715, material: Steel, galvanized, white passivated, Standard profile, color: silver-colored

NS 35/15 AL UNPERF 2000MM - DIN rail, unperforated

1201756

<https://www.phoenixcontact.com/mx/products/1201756>



DIN rail, unperforated, similar to EN 60715, material: Aluminum, uncoated, Standard profile, color: silver-colored

TB 4-HESI (5X20) I - Fuse terminal block

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NS 35/15 ZN PERF 2000MM - DIN rail perforated

1206599

<https://www.phoenixcontact.com/mx/products/1206599>



DIN rail perforated, Pack of 25 (50 m), similar to EN 60715, material: Steel, galvanized, Standard profile, color: silver-colored

NS 35/15 ZN UNPERF 2000MM - DIN rail, unperforated

1206586

<https://www.phoenixcontact.com/mx/products/1206586>



DIN rail, unperforated, Pack of 25 (50 m), similar to EN 60715, material: Steel, galvanized, Standard profile, color: silver-colored

TB 4-HESI (5X20) I - Fuse terminal block

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NS 35/15 CU UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1201895

<https://www.phoenixcontact.com/mx/products/1201895>



DIN rail, unperforated, Pack of 10 (20 m), similar to EN 60715, material: Copper, uncoated, Standard profile, color: copper-colored

NS 35/15 CAP - End cap

1206573

<https://www.phoenixcontact.com/mx/products/1206573>

DIN rail end piece, for DIN rail NS 35/15



TB 4-HESI (5X20) I - Fuse terminal block

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SZS 0,6X3,5 VDE - Screwdriver

1212602

<https://www.phoenixcontact.com/mx/products/1212602>



Screwdriver, slot-headed, VDE insulated, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

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