

3034251

https://www.phoenixcontact.com/in/products/3034251

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Fuse terminal block for cartridge fuse insert, cross section: 0.5-10 mm², AWG: 20-8, width: 12.2 mm, color: Black

Commercial Data

Item number	3034251
item number	3034251
Packing unit	25 pc
Minimum order quantity	25 pc
Sales Key	BE2
Product Key	BE2235
Catalog Page	Page 213 (CL-2009)
GTIN	4046356052801
Weight per Piece (including packing)	26.311 g
Weight per Piece (excluding packing)	24.733 g
Customs tariff number	85369095
Country of origin	PL



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Technical Data

Product properties

Product type	Fuse terminal block
Number of connections	2
Number of rows	1
Potentials	1
Insulation characteristics	
Overvoltage category	III
Degree of pollution	3

Electrical properties

Fuse type	Glass / ceramics /
Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	0.77 W
Fuse	G / 5 x 20
LED voltage range	12 V AC/DC 30 V AC/DC
LED current range	1 mA 2.5 mA

Input data

LED voltage range	V AC/DC 30 V AC/DC
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Connection data

Number of connections per level	2
Nominal cross section	2.5 mm²

Level 1 above 1	
Stripping length	12 mm
Internal cylindrical gage	A5
Connection in acc. with standard	IEC 60947-7-3
Conductor cross section rigid	0.5 mm² 10 mm²
Cross section AWG	20 8 (converted acc. to IEC)
Conductor cross section flexible	0.5 mm² 6 mm²
Conductor cross section, flexible [AWG]	20 10 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm² 6 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm² 6 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm² 1.5 mm²
Nominal current	10 A
Maximum load current	10 A (with 4 mm² conductor cross section)
Nominal voltage	500 V
Nominal cross section	1.5 mm²



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Level 1 below 1

Stripping length	10 mm
Internal cylindrical gage	A3
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.2 mm² 4 mm²
Cross section AWG	24 12 (converted acc. to IEC)
Conductor cross section flexible	0.2 mm ² 2.5 mm ²
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm² 2.5 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm² 2.5 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ²
Nominal cross section	1.5 mm²

Dimensions

Width	12.2 mm
Height NS 35/15	58.8 mm
Height NS 35/7,5	51.3 mm
Length	71.5 mm

Material specifications

Color	black
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °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
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
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

Mec	han	ical	data

Open side panel	No
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Environmental and real-life conditions



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Ambient conditions

Ambient temperature (operation)	-60 °C 105 °C (max. short-term operating temperature 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 (storage/transport)	30 % 70 %

Standards and regulations

Connection in acc. with standard	IEC 60947-7-3
	IEC 60947-7-1

Mounting

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

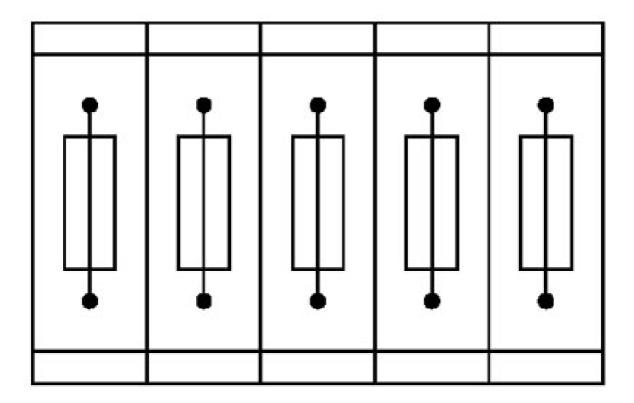


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Drawings

Application drawing

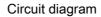


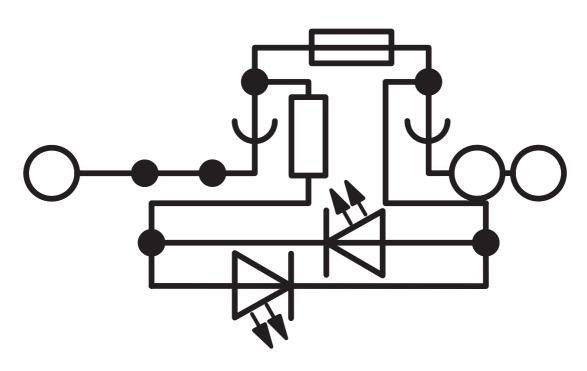
Fuse terminal blocks in interconnected arrangement, block consisting of 5 fuse terminal blocks



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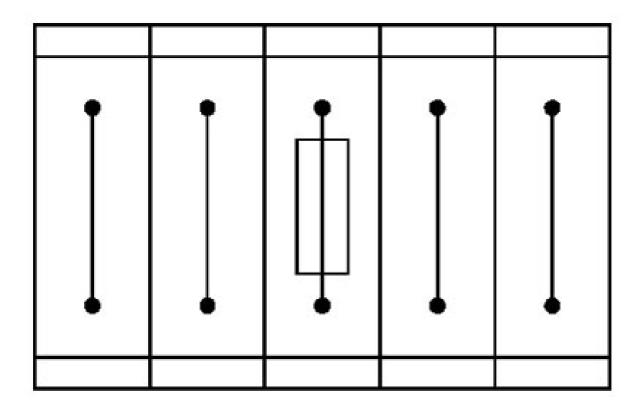




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Application drawing



Fuse terminal block in single arrangement, block consisting of one fuse terminal block and 4 feed-through terminal blocks



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Approvals



IECEE CB Scheme

Approval ID: NL-23160



EAC

Approval ID: RU C-DE.Al30.B.01102



KEMA-KEUR

Approval ID: 71-104946



EAC

Approval ID: RU C-DE.BL08.B.00644

cULus Recognize Approval ID: E60425	CULus Recognized Approval ID: E60425			
	Nominal Voltage U_N	Nominal Current I _N	Cross Section AWG	Cross Section mm ²
Use group B				
Output	600 V	10 A	24 - 12	-
Input	600 V	10 A	20 - 8	-
Use group C				
Output	600 V	10 A	24 - 12	-
Input	600 V	10 A	20 - 8	-



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Classifications

ECLASS

UNSPSC 21.0

	ECLASS-11.0	27141116
	ECLASS-12.0	27141116
	ECLASS-13.0	27250113
ETIM		
	ETIM 8.0	EC000899
UNSPSC		

39121400



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Environmental Product Compliance

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"



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Accessories



Note: Applying some accessories below might limit this product.

FBS 2-6 - Plug-in bridge

3030336

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Plug-in bridge, pitch: 6.2 mm, number of positions: 2, color: red

Max. current carrying capacity: 24 A

FBS 3-6 - Plug-in bridge

3030242

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Plug-in bridge, pitch: 6.2 mm, number of positions: 3, color: red



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FBS 4-6 - Plug-in bridge

3030255

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Plug-in bridge, pitch: 6.2 mm, number of positions: 4, color: red

Max. current carrying capacity: 24 A

FBS 5-6 - Plug-in bridge

3030349

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Plug-in bridge, pitch: 6.2 mm, number of positions: 5, color: red



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FBS 10-6 - Plug-in bridge

3030271

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Plug-in bridge, pitch: 6.2 mm, number of positions: 10, color: red

Max. current carrying capacity: 24 A

FBS 20-6 - Plug-in bridge

3030365

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Plug-in bridge, pitch: 6.2 mm, number of positions: 20, color: red



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FBS 6-6 - Plug-in bridge

1008238

https://www.phoenixcontact.com/in/products/1008238



Plug-in bridge, One side not fully isolated, pitch: 6.2 mm, number of positions: 6, color: red

Max. current carrying capacity: 24 A

FBS 2-6 BU - Plug-in bridge

3036932

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Plug-in bridge, pitch: 6.2 mm, number of positions: 2, color: blue



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FBS 3-6 BU - Plug-in bridge

3036945

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Plug-in bridge, pitch: 6.2 mm, number of positions: 3, color: blue

1 Max. current carrying capacity: 24 A

FBS 4-6 BU - Plug-in bridge

3036958

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Plug-in bridge, pitch: 6.2 mm, number of positions: 4, color: blue



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FBS 5-6 BU - Plug-in bridge

3036961

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Plug-in bridge, pitch: 6.2 mm, number of positions: 5, color: blue

Max. current carrying capacity: 24 A

FBS 10-6 BU - Plug-in bridge

3032198

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Plug-in bridge, pitch: 6.2 mm, number of positions: 10, color: blue



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FBS 20-6 BU - Plug-in bridge

3032208

https://www.phoenixcontact.com/in/products/3032208



Plug-in bridge, pitch: 6.2 mm, number of positions: 20, color: blue

Max. current carrying capacity: 24 A

FBS 50-6 BU - Plug-in bridge

3032211

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Plug-in bridge, pitch: 6.2 mm, number of positions: 50, color: blue



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SZF 1-0,6X3,5 - Screwdriver

1204517

https://www.phoenixcontact.com/in/products/1204517



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: $0.6 \times 3.5 \times 100$ mm, 2-component grip, with non-slip grip

ST-BW - Actuation tool

1207608

https://www.phoenixcontact.com/in/products/1207608



Actuation tool, for all 2.5 mm² - 4.0 mm² spring-cages



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

0801733

https://www.phoenixcontact.com/in/products/0801733



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

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

0801681

https://www.phoenixcontact.com/in/products/0801681



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



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

1204119

https://www.phoenixcontact.com/in/products/1204119



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

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

1204122

https://www.phoenixcontact.com/in/products/1204122



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



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

0801704

https://www.phoenixcontact.com/in/products/0801704



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

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

1206421

https://www.phoenixcontact.com/in/products/1206421



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



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

1206434

https://www.phoenixcontact.com/in/products/1206434



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

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

0801762

https://www.phoenixcontact.com/in/products/0801762



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



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NS 35/7,5 CAP - End cap

1206560

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



NS 35/15 PERF 2000MM - DIN rail perforated

1201730

https://www.phoenixcontact.com/in/products/1201730



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



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

1201714

https://www.phoenixcontact.com/in/products/1201714



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

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

0806602

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



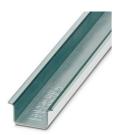
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NS 35/15 WH UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1204135

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

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

1201756

https://www.phoenixcontact.com/in/products/1201756



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



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

1206599

https://www.phoenixcontact.com/in/products/1206599



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

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

1206586

https://www.phoenixcontact.com/in/products/1206586



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



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

1201895

https://www.phoenixcontact.com/in/products/1201895



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

NS 35/15 CAP - End cap

1206573

https://www.phoenixcontact.com/in/products/1206573

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





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NS 35/15-2,3 UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1201798

https://www.phoenixcontact.com/in/products/1201798



DIN rail, unperforated, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile 2.3 mm, color: silver, Pack of 10 (20 m)

PS-6 - Test plugs

3030996

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Test plugs, Modular test plug, number of positions: 1, color: red



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PS-6/2,3MM RD - Test plugs

3038736

https://www.phoenixcontact.com/in/products/3038736



Test plugs, number of positions: 1, color: red

CLIPFIX 35 - End clamp

3022218

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Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, width: 9.5 mm, color: gray



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CLIPFIX 35-5 - End clamp

3022276

https://www.phoenixcontact.com/in/products/3022276



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, with parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5. 15 mm, color: gray

E/NS 35 N - End clamp

0800886

https://www.phoenixcontact.com/in/products/0800886



End clamp, width: 9.5 mm, color: gray



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E/UK - End clamp

1201442

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End clamp, material: PA, color: gray, Mounting on a DIN rail NS 32 or NS 35

E/UK 1 - End clamp

1201413

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End clamps, for supporting the ends of double-level and three-level terminal blocks, width: 10 mm, color: gray



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PAI-4-FIX-5/6 BU - Test adapter

3035975

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4 mm test adapter, for terminal blocks with 5.2 mm and 6.2 mm pitch

PAI-4-FIX-5/6 OG - Test adapter

3035974

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PAI-4-FIX-5/6 YE - Test adapter

3035977

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4 mm test adapter, for terminal blocks with 5.2 mm and 6.2 mm pitch

PAI-4-FIX-5/6 RD - Test adapter

3035976

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PAI-4-FIX-5/6 GN - Test adapter

3035978

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4 mm test adapter, for terminal blocks with 5.2 mm and 6.2 mm pitch

PAI-4-FIX-5/6 BK - Test adapter

3035980

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PAI-4-FIX-5/6 GY - Test adapter

3035982

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4 mm test adapter, for terminal blocks with 5.2 mm and 6.2 mm pitch

PAI-4-FIX-5/6 VT - Test adapter

3035979

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PAI-4-FIX-5/6 BN - Test adapter

3035981

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4 mm test adapter, for terminal blocks with 5.2 mm and 6.2 mm pitch

PAI-4-FIX-5/6 WH - Test adapter

3035983

https://www.phoenixcontact.com/in/products/3035983



4 mm test adapter, for terminal blocks with 5.2 mm and 6.2 mm pitch

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