

# DT 6/2,5-DREHSI (5X20) - Fuse modular terminal block



3034248

<https://www.phoenixcontact.com/us/products/3034248>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Fuse terminal block for cartridge fuse insert, cross section: 0.5-10 mm<sup>2</sup>, AWG: 20-8, width: 12.2 mm, color: Black

## Commercial data

Item number	3034248
Packing unit	25 pc
Minimum order quantity	25 pc
Sales key	BE22
Product key	BE2235
GTIN	4046356052795
Weight per piece (including packing)	26.24 g
Weight per piece (excluding packing)	24.431 g
Customs tariff number	85369095
Country of origin	PL

# DT 6/2,5-DREHSI (5X20) - Fuse modular terminal block



3034248

<https://www.phoenixcontact.com/us/products/3034248>

## Technical data

### Notes

Order information:	Fuse-link not supplied as standard
--------------------	------------------------------------

### 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

### Connection data

Number of connections per level	2
Nominal cross section	2.5 mm <sup>2</sup>

#### Level 1 above 1

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

#### Level 1 below 1

Connection method	Leg spring connection
-------------------	-----------------------

# DT 6/2,5-DREHSI (5X20) - Fuse modular terminal block



3034248

<https://www.phoenixcontact.com/us/products/3034248>

Stripping length	10 mm
Internal cylindrical gage	A3
Connection in acc. with standard	IEC 60947-7-1
Conductor cross-section rigid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Cross section AWG	24 ... 12 (converted acc. to IEC)
Conductor cross-section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Flexible conductor cross-section (ferrule with plastic sleeve)	0.25 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm <sup>2</sup>
Nominal cross section	1.5 mm <sup>2</sup>
Nominal current	10 A
Maximum load current	10 A
Nominal voltage	500 V

## Dimensions

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

## Material specifications

Color	black (RAL 9005)
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

### Mechanical data

Open side panel	No
-----------------	----

## Environmental and real-life conditions

# DT 6/2,5-DREHSI (5X20) - Fuse modular terminal block



3034248

<https://www.phoenixcontact.com/us/products/3034248>

## Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Spectrum	Long life test category 2, bogie-mounted
Frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$
ASD level	6.12 (m/s <sup>2</sup> ) <sup>2</sup> /Hz
Acceleration	3.12g
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	30g
Shock duration	18 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
	IEC 60947-7-1

## Mounting

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

# DT 6/2,5-DREHSI (5X20) - Fuse modular terminal block

3034248

<https://www.phoenixcontact.com/us/products/3034248>

## Drawings

### Application drawing



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

# DT 6/2,5-DREHSI (5X20) - Fuse modular terminal block

3034248

<https://www.phoenixcontact.com/us/products/3034248>

Application drawing



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

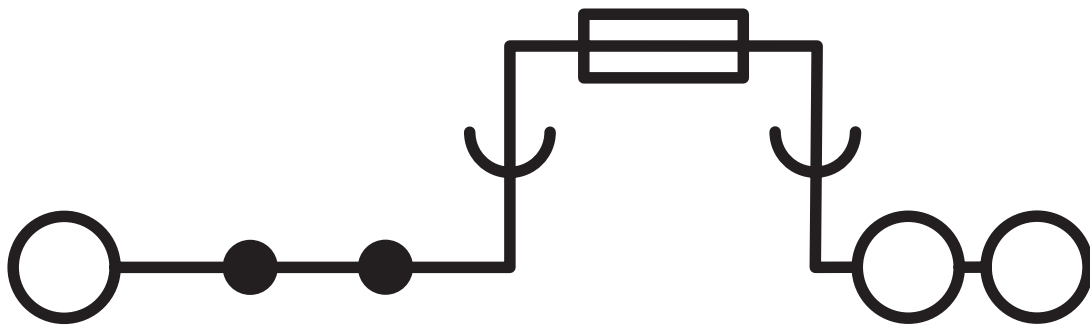
# DT 6/2,5-DREHSI (5X20) - Fuse modular terminal block



3034248

<https://www.phoenixcontact.com/us/products/3034248>

Circuit diagram



# DT 6/2,5-DREHSI (5X20) - Fuse modular terminal block



3034248

<https://www.phoenixcontact.com/us/products/3034248>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3034248>



**IECEE CB Scheme**  
Approval ID: NL-23160



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



**KEMA-KEUR**  
Approval ID: 71-104946



**EAC**  
Approval ID: KZ7500651131219505



**cULus Recognized**  
Approval ID: E60425

	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
<b>B</b>				
Output	600 V	10 A	24 - 12	-
Input	600 V	10 A	20 - 8	-
<b>C</b>				
Output	600 V	10 A	24 - 12	-
Input	600 V	10 A	20 - 8	-

# DT 6/2,5-DREHSI (5X20) - Fuse modular terminal block



3034248

<https://www.phoenixcontact.com/us/products/3034248>

## Classifications

### ECLASS

ECLASS-13.0	27250113
ECLASS-15.0	27250113

### ETIM

ETIM 10.0	EC000899
-----------	----------

### UNSPSC

UNSPSC 21.0	39121400
-------------	----------

# DT 6/2,5-DREHSI (5X20) - Fuse modular terminal block



3034248

<https://www.phoenixcontact.com/us/products/3034248>

## 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%
-------------------------------------	----------------------------

### EF3.1 Climate Change

CO2e kg	0.31 kg CO2e
---------	--------------

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)