

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



3073979

<https://www.phoenixcontact.com/us/products/3073979>

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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

Your advantages

- Fuse terminal block for explosion protection

Commercial data

Item number	3073979
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	BE22
Product key	BE2235
GTIN	4046356343145
Weight per piece (including packing)	27.54 g
Weight per piece (excluding packing)	27 g
Customs tariff number	85369095
Country of origin	PL

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Technical data

Notes

Order information:	Fuse-link not supplied as standard
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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 ²

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 ² ... 10 mm ²
Cross section AWG	20 ... 8 (converted acc. to IEC)
Conductor cross-section flexible	0.5 mm ² ... 6 mm ²
Conductor cross-section, flexible [AWG]	20 ... 10 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm ² ... 6 mm ²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.5 mm ² ... 6 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 cross section	1.5 mm ²
Nominal current	10 A
Maximum load current	10 A (with 4 mm ² conductor cross-section)
Nominal voltage	500 V

Level 1 below 1

Connection method	Leg spring connection
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Stripping length	10 mm
Internal cylindrical gage	A3
Connection in acc. with standard	IEC 60947-7-1
Conductor cross-section rigid	0.2 mm ² ... 4 mm ²
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 mm ² ... 2.5 mm ²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.25 mm ² ... 2.5 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ²
Nominal cross section	1.5 mm ²
Nominal current	10 A
Maximum load current	10 A
Nominal voltage	500 V

Ex data

Rated data (ATEX/IECEx)

Identification	⊕ II 3 GD Ex ec IIC Gc
Operating temperature range	-50 °C ... 125 °C
Ex-certified accessories	1204517 SZF 1-0,6X3,5 3022276 CLIPFIX 35-5 3022218 CLIPFIX 35
Rated insulation voltage	250 V
output	(Permanent)

Ex level Terminal point

Rated voltage	275 V
Rated current	6.3 A
Maximum load current	6.3 A

Ex connection data Terminal point

Nominal cross section	2.5 mm ²
Rated cross section AWG	14
Connection capacity rigid	0.2 mm ² ... 4 mm ²
Connection capacity AWG	24 ... 12
Connection capacity flexible	0.2 mm ² ... 2.5 mm ²
Connection capacity AWG	24 ... 14
output	(Permanent)

Ex level Feed-in contact

Rated current	6.3 A
Maximum load current	6.3 A

Ex connection data Feed-in contact

Nominal cross section	6 mm ²
Rated cross section AWG	10

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Connection capacity rigid	0.5 mm ² ... 10 mm ²
Connection capacity AWG	20 ... 10
Connection capacity flexible	0.5 mm ² ... 6 mm ²
Connection capacity AWG	20 ... 8

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

Mechanical properties

Mechanical data

Open side panel	No
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Environmental and real-life conditions

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

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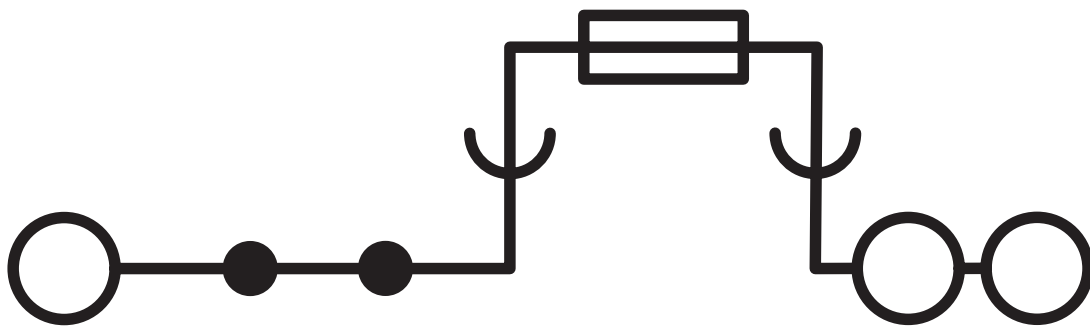


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Drawings

Circuit diagram



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3073979>



EAC

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



ATEX

Approval ID: KEMA10ATEX0096U

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
Output	250 V	6.3 A	-	0.2 - 2.5
Input	250 V	6.3 A	-	0.5 - 6



EAC Ex

Approval ID: RU C-DE.Ax07.B.03227



IECEx

Approval ID: IECEx KEM10.0054U

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
Output	250 V	6.3 A	-	0.2 - 2.5
Input	250 V	6.3 A	-	0.5 - 6



CCC

Approval ID: 2020322313000632



UKCA-EX

Approval ID: DEKRA 22UKEX6025U



EAC Ex

Approval ID: KZ 7500525010101950

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Classifications

ECLASS

ECLASS-13.0	27250113
ECLASS-15.0	27250113

ETIM

ETIM 10.0	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
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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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EF3.1 Climate Change

CO2e kg	0.311 kg CO2e
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