

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



3073979

<https://www.phoenixcontact.com/sg/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	*****
Product key	BE2235
GTIN	4046356343145
Weight per piece (including packing)	27.54 g
Weight per piece (excluding packing)	26.976 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

Connection data

Number of connections per level	2
Nominal cross section	2.5 mm ²

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 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 current	10 A
Maximum load current	10 A (with 4 mm ² conductor cross section)
Nominal voltage	500 V
Nominal cross section	1.5 mm ²

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 mm ² ... 4 mm ²
Cross section AWG	24 ... 12 (converted acc. to IEC)

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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 current	10 A
Maximum load current	10 A
Nominal voltage	500 V
Nominal cross section	1.5 mm ²

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 voltage	275 V
Rated insulation voltage	250 V
output	(Permanent)

Ex level Terminal point

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
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

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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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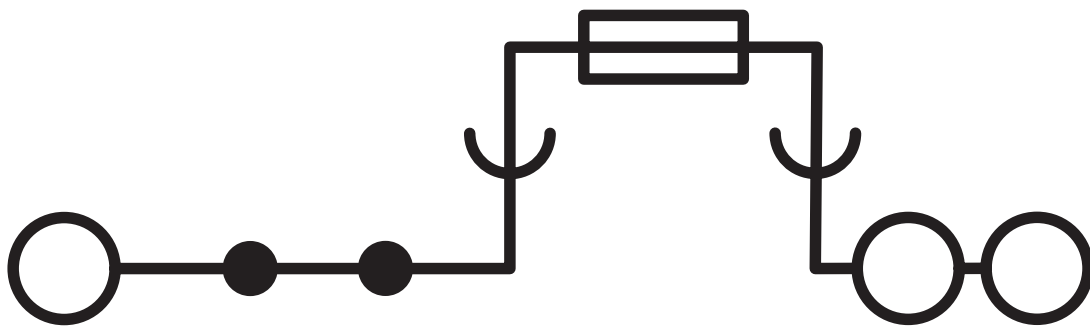


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Drawings

Circuit diagram



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Approvals

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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
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
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

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Classifications

ECLASS

ECLASS-11.0	27141116
ECLASS-12.0	27141116
ECLASS-13.0	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
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	7d9215fe-439f-4542-b5b5-dd46f71958b3

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