

Disconnect terminal block - MBK 5/E-TG - 1415089

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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Disconnect terminal block, nom. voltage: 500 V, nominal current: 16 A, connection method: Screw connection, cross section: 0.2 mm² - 4 mm², AWG: 24 - 12, length: 28 mm, width: 6.2 mm, color: gray, mounting: NS 15

Your advantages

- ✔ Design width of just 6.2 mm

Key Commercial Data

Packing unit	50 pc
GTIN	
GTIN	4017918021375

Technical data

General

Number of levels	1
Number of connections	2
Nominal cross section	4 mm ²
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V2
Rated surge voltage	6 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Ambient temperature (operation)	-60 °C ... 85 °C
Ambient temperature (storage/transport)	-25 °C ... 55 °C (For a short time, not exceeding 24 h, -60 to +70 °C)
Permissible humidity (storage/transport)	30 % ... 70 %
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C

Disconnect terminal block - MBK 5/E-TG - 1415089

Technical data

General

Connection in acc. with standard	IEC 60947-7-1
Nominal current I_N	16 A
Maximum load current	16 A (with 4 mm ² conductor cross section)
Nominal voltage U_N	500 V
Open side panel	Yes
Maximum power dissipation for nominal condition	1.02 W

Dimensions

Width	6.2 mm
Length	28 mm

Connection data

Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	4 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm ²
2 conductors with same cross section, solid min.	0.2 mm ²
2 conductors with same cross section, solid max.	1.5 mm ²
2 conductors with same cross section, stranded min.	0.2 mm ²
2 conductors with same cross section, stranded max.	1.5 mm ²
Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum	0.25 mm ²
Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum	1.5 mm ²
Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum	0.5 mm ²
Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum	1.5 mm ²
Cross section with insertion bridge, solid max.	1.5 mm ²
Cross section with insertion bridge, stranded max.	1.5 mm ²
Connection method	Screw connection
Stripping length	9 mm
Internal cylindrical gage	A3
Screw thread	M3
Tightening torque, min	0.6 Nm
Tightening torque max	0.8 Nm

Standards and Regulations

Disconnect terminal block - MBK 5/E-TG - 1415089

Technical data

Standards and Regulations

Connection in acc. with standard	CSA
	IEC 60947-7-1
Flammability rating according to UL 94	V2

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Circuit diagram



Classifications

eCl@ss

eCl@ss 10.0.1	27141126
eCl@ss 4.0	27141100
eCl@ss 4.1	27141100
eCl@ss 5.0	27141100
eCl@ss 5.1	27141100
eCl@ss 6.0	27141100
eCl@ss 7.0	27141126
eCl@ss 8.0	27141126
eCl@ss 9.0	27141126

ETIM

ETIM 2.0	EC000897
ETIM 3.0	EC000897
ETIM 4.0	EC000897
ETIM 5.0	EC000902
ETIM 6.0	EC000902
ETIM 7.0	EC000902

UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410

Disconnect terminal block - MBK 5/E-TG - 1415089

Classifications

UNSPSC

UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410
UNSPSC 18.0	39121410
UNSPSC 19.0	39121410
UNSPSC 20.0	39121410
UNSPSC 21.0	39121410

Approvals


Approvals


Approvals


CSA / UL Recognized / cUL Recognized / EAC / EAC / EAC / cULus Recognized

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
Nominal voltage UN		300 V	
Nominal current IN		15 A	
mm ² /AWG/kcmil		28-12	

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
	B	C	D
Nominal voltage UN	300 V	300 V	600 V
Nominal current IN	20 A	20 A	5 A
mm ² /AWG/kcmil	28-12	28-12	28-12

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
	B	C	D
Nominal voltage UN	300 V	300 V	600 V

Disconnect terminal block - MBK 5/E-TG - 1415089

Approvals

	B	C	D
Nominal current IN	20 A	20 A	5 A
mm ² /AWG/kcmil	28-12	28-12	28-12

EAC		EAC-Zulassung
-----	--	---------------

EAC		RU C- DE.A*30.B.01742
-----	--	--------------------------

EAC		RU C- DE.BL08.B.00534
-----	--	--------------------------

cULus Recognized		
------------------	--	--

Accessories

Accessories

Component plug terminal block

Component connector - ST-BE - 2802316



Component connector, to connect 2-pos. components to the basic terminal block, to be secured with screw-type clamping units, 19 mm high, max. 16 A

Component connector - ST-BE-LA 24 - 2802374



Component plug, with light indicator, to connect 2-pos. components into the basic terminal block, height: 19 mm, color: Gray, voltage light indicator: 24 V DC

Disconnect terminal block - MBK 5/E-TG - 1415089

Accessories

Component connector - ST-BE-LA230 - 2802387



Component plug, with light indicator, to connect 2-pos. components into the basic terminal block, height: 19 mm, color: gray, voltage light indicator: 230 V AC/DC

Component connector - ST-1N4007 - 2802329



Component plug, with universal diode, to connect 2-pos. components into the basic terminal block, height: 19 mm, color: Gray

Component connector - ST-B250C1500 - 2802345



Component plug, with bridge rectifier B 250 C 1500, for 4-pos. components, reverse voltage: 600 V, nominal voltage: 250 V, nominal current: 1.5 A, two basic terminal blocks are required per plug, height: 19 mm, color: gray

Component connector - ST-BE - 2802316



Component connector, to connect 2-pos. components to the basic terminal block, to be secured with screw-type clamping units, 19 mm high, max. 16 A

Component connector - ST-BE-LA 24 - 2802374



Component plug, with light indicator, to connect 2-pos. components into the basic terminal block, height: 19 mm, color: Gray, voltage light indicator: 24 V DC

Disconnect terminal block - MBK 5/E-TG - 1415089

Accessories

Component connector - ST-BE-LA230 - 2802387



Component plug, with light indicator, to connect 2-pos. components into the basic terminal block, height: 19 mm, color: gray, voltage light indicator: 230 V AC/DC

Component connector - ST-1N4007 - 2802329



Component plug, with universal diode, to connect 2-pos. components into the basic terminal block, height: 19 mm, color: Gray

Component connector - ST-BE-VP - 2802332



Component plug, for 4-pos. components, two basic terminal blocks required per plug, 19 mm high

Component connector - ST-B250C1500 - 2802345



Component plug, with bridge rectifier B 250 C 1500, for 4-pos. components, reverse voltage: 600 V, nominal voltage: 250 V, nominal current: 1.5 A, two basic terminal blocks are required per plug, height: 19 mm, color: gray

DIN rail

DIN rail, unperforated - NS 15 UNPERF 2000MM - 1401695



DIN rail, unperforated, Standard profile, width: 15 mm, height: 5 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

Disconnect terminal block - MBK 5/E-TG - 1415089

Accessories

DIN rail perforated - NS 15 PERF 2000MM - 1401682



DIN rail perforated, Standard profile, width: 15 mm, height: 5.5 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

DIN rail perforated - NS 15 AL PERF 2000MM - 1401763



DIN rail perforated, Standard profile, width: 15 mm, height: 5.5 mm, acc. to EN 60715, material: Aluminum, uncoated, length: 2000 mm, color: silver

DIN rail perforated - NS 15 WH PERF 2000MM - 1204096



DIN rail perforated, Standard profile, width: 15 mm, height: 5.5 mm, acc. to EN 60715, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver

End block

End clamp - E/MBK - 1401637



End clamp, width: 6.2 mm, color: gray

End clamp - E/MK - 1421633



End clamp, width: 6.2 mm, color: gray

Disconnect terminal block - MBK 5/E-TG - 1415089

Accessories

End clamp - E/MK 1 - 1421659



End clamp width: 6 mm, color: gray

End cover

End cover - D-MBK 5/E-T - 1413706



End cover, length: 28 mm, width: 1 mm, height: 30.3 mm, color: gray

Fuse

Fuse plug - ST-SI-UK 4 - 0921011



Fuse plug, nominal current: 6.3 A, length: 33.1 mm, width: 6.1 mm, height: 45.7 mm, color: black

Fuse plug - ST-SILED 12-UK 4 - 0921024



Fuse plug, nominal current: 6.3 A, length: 33.1 mm, width: 6.1 mm, height: 45.7 mm, color: black

Fuse plug - ST-SILED 24-UK 4 - 0921037



Fuse plug, nominal current: 6.3 A, length: 33.1 mm, width: 6.1 mm, height: 45.7 mm, color: black

Disconnect terminal block - MBK 5/E-TG - 1415089

Accessories

Fuse plug - ST-SILED 60-UK 4 - 0921040



Fuse plug, nominal current: 6.3 A, length: 33.1 mm, width: 6.1 mm, height: 45.7 mm, color: black

Fuse plug - ST-SILA250-UK 4 - 0921053



Fuse plug, nominal current: 6.3 A, length: 33.1 mm, width: 6.1 mm, height: 45.7 mm, color: black

Insertion bridge

Insertion bridge - EB 3- 6 - 0201142



Insertion bridge, pitch: 6.2 mm, number of positions: 3, color: gray

Insertion bridge - EB 2- 6 - 0201155



Insertion bridge, pitch: 6.2 mm, number of positions: 2, color: gray

Insertion bridge - EB 10- 6 - 0201139



Insertion bridge, pitch: 6.2 mm, number of positions: 10, color: gray

Labeled terminal marker

Disconnect terminal block - MBK 5/E-TG - 1415089

Accessories

Marker pin Zack strip - BN-ZB 6,2/WH CUS - 0824276



Marker pin Zack strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: plug in, for terminal block width: 6.2 mm, lettering field size: 4 x 4 mm

Plug

Isolating plugs - ST-K 4 - 5025462



Isolating plug, silver-plated, can be used in UK...-TG, UKK...-TG, UDK...-TG, MBK...-TG, DIK...-TG, DOK...-TG, and ZFK...-TG disconnect terminal blocks, color: gray

Screwdriver tools

Screwdriver - SZS 0,6X3,5 - 1205053



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

Phoenix Contact 2020 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [DIN Rail Terminal Blocks](#) category:

Click to view products by [Phoenix Contact](#) manufacturer:

Other Similar products are found below :

[00110420202](#) [8WA1011-1BH23](#) [8WA1011-1EF20](#) [91.010](#) [9102100000](#) [91.040](#) [9123140000](#) [9123140001](#) [RBO 5-T-B-HEX](#) [1333564](#) [DP25-GY-ND](#) [1431306](#) [1433306](#) [90.070](#) [91.020](#) [912314](#) [260-301_NR](#) [2757571](#) [280-331](#) [280-560](#) [280-564](#) [281-611/281-542](#) [281-673/281-411](#) [281-994](#) [283-317](#) [283-607](#) [2909798](#) [264-724](#) [264-726](#) [280-530](#) [280-555](#) [280-619](#) [281-610](#) [281-622/281-417](#) [284-317](#) [284-601](#) [2907033](#) [3048496](#) [5542152](#) [35956](#) [USK 10](#) [102510](#) [1025100000](#) [5520682](#) [5607102](#) [EMH 25-ZE30](#) [591620-2](#) [UM 45-SEFE M.NUT BK](#) [1-591651-1](#) [8671050000](#)