



Extract from the online
catalog

GKDS-EX

Order No.: 1709203



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1709203>

PC terminal block, Nominal current: 20 A, Nom. voltage: 275 V, Pitch: 7.5 mm, Number of positions: 1, Type of connection: Screw connection, Assembly: Soldering, Conductor/PCB connection direction: 0 °, Color: black, The article can be aligned to create different nos. of positions! Every group of terminal blocks is to be provided with a GRZ 2,5V-EX (1706112) flange plate on both sides. If there are more than 10 terminal blocks, at least one additional flange plate must be mounted for each further group of ten. When the pitch spacer GRZ 2,5-EX (1724628) is used, the max. working voltage is increased to 420 V.

Commercial data

GTIN (EAN)	4017918023638
sales group	E051
Pack	50 pcs.
Customs tariff	85369010
Weight/Piece	0.00432 KG
Catalog page information	Page 106 (CC-2007)

Product notes

WEEE/RoHS-compliant since:
01/01/2003



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Technical data

Dimensions / positions

Length	19 mm
Height	19.5 mm
Width	7.5 mm
Pitch	7.5 mm
Number of positions	1
Pin dimensions	1,1 X 0,8 mm
Hole diameter	1.4 mm
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

Technical data

Insulating material group	I
Rated surge voltage (III/3)	6 kV
Rated surge voltage (III/2)	6 kV
Rated surge voltage (II/2)	6 kV
Rated voltage (III/2)	630 V
Rated voltage (II/2)	1000 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	20 A
Nominal voltage U_N	275 V
Nominal cross section	2.5 mm ²
Maximum load current	26 A
Insulating material	PA
Inflammability class acc. to UL 94	V2
Internal cylindrical gage	A3
Stripping length	9 mm

Connection data

Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²

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Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	2.5 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	2.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12
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 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1 mm ²

Certificates / Approvals



Certification

GOST

Certification Ex:

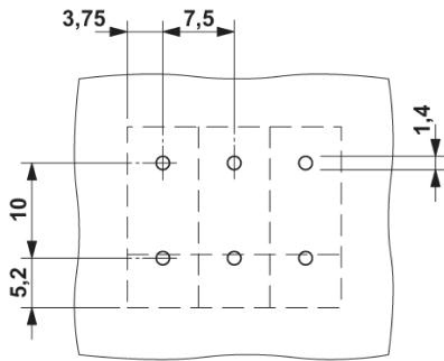
CUL-EX, KEMA-EX, UL-EX

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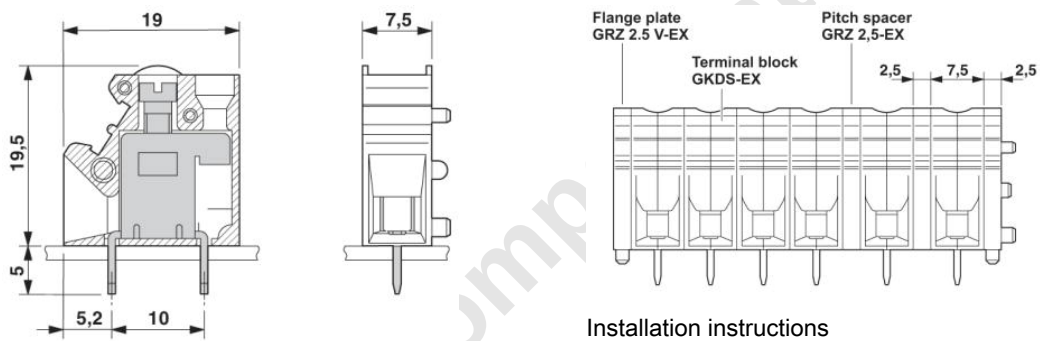
<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1709203>

Diagrams/Drawings

Drilling plan/solder pad geometry

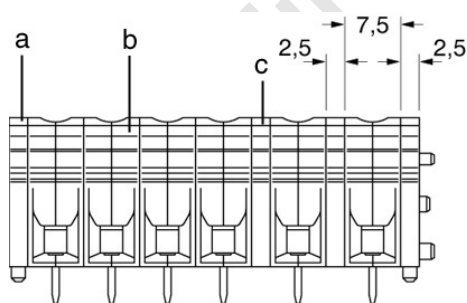


Dimensioned drawing



Installation instructions

Schematic diagram



a = Flange plate, GRZ 2,5 V-EX
b = Terminal block GKDS-EX
c = Pitch spacer GRZ 2,5-EX

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Approbationslogos (Ex-Bereich)



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