SSK 135 KER-EX - Feed-through terminal block

0505055

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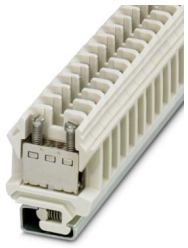

Feed-through terminal block, connection method: screw connection, cross section: 1 mm^2 - 35 mm^2, 18 - 2 AWG, color: white, mounting type: NS 32, insulation material: ceramic

Your advantages

- Mounting on NS 32 G DIN rail
- Compact design
- Easy potential distribution thanks to chain bridging

Commercial data

Item number	0505055
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	BE12
Product key	BE1211
Catalog page	Page 543 (C-1-2019)
GTIN	4017918002596
Weight per piece (including packing)	98.62 g
Weight per piece (excluding packing)	90.88 g
Customs tariff number	85369010
Country of origin	DE

Technical data

Product properties

Product type	High temperature terminal block
Number of connections	2
Number of rows	1
Potentials	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	4.06 W

Connection data

Number of connections per level	2
Nominal cross section	35 mm²

Level 1 above 1 below 1

Screw thread	M6
Tightening torque	3.2 ... 3.7 Nm
Stripping length	16 mm
Internal cylindrical gage	B7
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	1 mm² ... 35 mm²
Cross section AWG	18 ... 2 (converted acc. to IEC)
Conductor cross section flexible	1 mm² ... 25 mm²
Conductor cross section, flexible [AWG]	18 ... 4 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.75 mm² ... 25 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.75 mm² ... 16 mm²
2 conductors with same cross section, solid	0.75 mm² ... 10 mm²
2 conductors with same cross section, flexible	0.75 mm² ... 10 mm²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.75 mm² ... 10 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.75 mm² ... 10 mm²
Nominal current	101 A (with 25□mm² conductor cross section)
Maximum load current	125 A (with 35 mm² conductor cross section)
Nominal voltage	800 V
Nominal cross section	35 mm²

Ex data

Rated data (ATEX/IECEx)

Identification	II 2 GD Ex eb IIC Gb
Operating temperature range	-60 °C ... 180 °C
Ex-certified accessories	0205067 D-SSK 135 KER
	1201044 E/1
List of bridges	/ KB- 15 / 0204259
Bridge data	100 A / 35 mm²
Ex temperature increase	40 K (116.5 A / 25 mm²)
Rated voltage	550 V
for bridging with bridge	550 V
Rated insulation voltage	500 V
output	(Permanent)

Ex level General

Rated current	101 A
Maximum load current	113 A
Contact resistance	0.2 mΩ

Ex connection data General

Torque range	3.2 Nm ... 3.7 Nm
Nominal cross section	25 mm²
Rated cross section AWG	3
Connection capacity rigid	1 mm² ... 35 mm²
Connection capacity AWG	18 ... 2
Connection capacity flexible	1 mm² ... 25 mm²
Connection capacity AWG	18 ... 3

Dimensions

Width	15.3 mm
Height	53 mm
Depth on NS 32	67 mm

Material specifications

Color	ivory
Material	Ceramics
Insulating material group	I
Relative insulation material temperature index (Elec., UL 746 B)	1000 °C

Electrical tests

Surge voltage test

Result	Test passed

Temperature-rise test

Requirement temperature-rise test	Increase in temperature ≤ 45 K
Result	Test passed

Power-frequency withstand voltage

Test voltage setpoint	2 kV
Result	Test passed

Mechanical properties

Mechanical data

Open side panel	Yes

Mechanical tests

Mechanical strength

Result	Test passed

Attachment on the carrier

DIN rail/fixing support	NS 32
Result	Test passed

Environmental and real-life conditions

Needle-flame test

Time of exposure	30 s

Ambient conditions

Ambient temperature (operation)	-60 °C ... 180 °C
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, no longer than 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 60947-7-1

Mounting

Mounting type	NS 32

Classifications

ECLASS

ECLASS-11.0	27141120
ECLASS-13.0	27250101

ETIM

ETIM 9.0	EC000897

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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