

0505055
<https://www.phoenixcontact.com/pc/products/0505055>

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 documentation. Our general terms of use for downloads are valid.



Feed-through terminal block, connection method: screw connection, cross section: 1 mm² - 35 mm², 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
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

SSK 135 KER-EX - Feed-through terminal block



0505055

<https://www.phoenixcontact.com/pc/products/0505055>

Technical data

Product properties

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

Data management status

Article revision	07
------------------	----

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 mm ²

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 mm ² ... 35 mm ²
Cross section AWG	18 ... 2 (converted acc. to IEC)
Conductor cross section flexible	1 mm ² ... 25 mm ²
Conductor cross section, flexible [AWG]	18 ... 4 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.75 mm ² ... 25 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.75 mm ² ... 16 mm ²
2 conductors with same cross section, solid	0.75 mm ² ... 10 mm ²
2 conductors with same cross section, flexible	0.75 mm ² ... 10 mm ²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.75 mm ² ... 10 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.75 mm ² ... 10 mm ²
Nominal current	101 A (with 25 mm ² conductor cross section)
Maximum load current	125 A (with 35 mm ² conductor cross section)
Nominal voltage	800 V
Nominal cross section	35 mm ²

SSK 135 KER-EX - Feed-through terminal block



0505055

<https://www.phoenixcontact.com/pc/products/0505055>

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

SSK 135 KER-EX - Feed-through terminal block



0505055

<https://www.phoenixcontact.com/pc/products/0505055>

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
---------------	-------

SSK 135 KER-EX - Feed-through terminal block



0505055

<https://www.phoenixcontact.com/pc/products/0505055>

Drawings

Circuit diagram



SSK 135 KER-EX - Feed-through terminal block



0505055

<https://www.phoenixcontact.com/pc/products/0505055>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/0505055>

 CSA Approval ID: 13631				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
not as Ex approval	600 V	140 A	14 - 2	-

 ATEX Approval ID: KIWA17ATEX0022U				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	440 V	64.5 A	-	-
Only flexible conductors	440 V	55 A	-	-

 EAC Ex Approval ID: RU C-DE.HA91.B.00066				
--	--	--	--	--

 IECEx Approval ID: IECExKIWA17.0009U				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	550 V	113 A	-	1 - 35
Only flexible conductors	550 V	101 A	-	1 - 25

 CCC Approval ID: 2020322313000628				
---	--	--	--	--

 DNV GL-EX Approval ID: TAE00003K6				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
EEx e II part certificate	440 V	32 A	-	- 2.5

 ATEX Approval ID: KIWA17ATEX0022U				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	550 V	113 A	-	-
Only flexible conductors	550 V	101 A	-	-

SSK 135 KER-EX - Feed-through terminal block



0505055

<https://www.phoenixcontact.com/pc/products/0505055>



UKCA-EX

Approval ID: CSAE 22UKEX1188U

SSK 135 KER-EX - Feed-through terminal block



0505055

<https://www.phoenixcontact.com/pc/products/0505055>

Classifications

ECLASS

ECLASS-11.0	27141120
ECLASS-13.0	27250101

ETIM

ETIM 9.0	EC000897
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
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%

SSK 135 KER-EX - Feed-through terminal block



0505055

<https://www.phoenixcontact.com/pc/products/0505055>

Accessories



Note: Applying some accessories below might limit this product.

KBI- 15 - Chain bridge

0205203

<https://www.phoenixcontact.com/pc/products/0205203>



Chain bridge, pitch: 15 mm, number of positions: 1, color: silver



Max. current carrying capacity: 108 A

FBI 2-15 - Fixed bridge

0201333

<https://www.phoenixcontact.com/pc/products/0201333>



Fixed bridge, pitch: 15 mm, number of positions: 2, color: silver

SSK 135 KER-EX - Feed-through terminal block



0505055

<https://www.phoenixcontact.com/pc/products/0505055>

D-SSK 135 KER - End cover

0205067

<https://www.phoenixcontact.com/pc/products/0205067>



End cover, insulation material: ceramic

NS 32 PERF 2000MM-VPE 10 - DIN rail perforated

1201002

<https://www.phoenixcontact.com/pc/products/1201002>



DIN rail perforated, Pack of 10 (20 m), acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, G profile, color: silver

SSK 135 KER-EX - Feed-through terminal block



0505055

<https://www.phoenixcontact.com/pc/products/0505055>

NS 32 UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1201015

<https://www.phoenixcontact.com/pc/products/1201015>

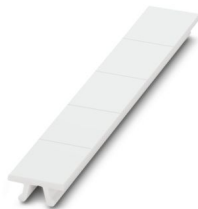


DIN rail, unperforated, Pack of 10 (20 m), acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, G profile, color: silver

ZB 15:UNBEDRUCKT - Zack marker strip

0811972

<https://www.phoenixcontact.com/pc/products/0811972>



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 15.2 mm, lettering field size: 10.5 x 15.1 mm, Number of individual labels: 5

SSK 135 KER-EX - Feed-through terminal block



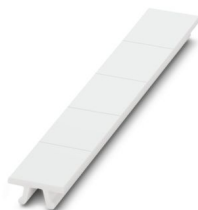
0505055

<https://www.phoenixcontact.com/pc/products/0505055>

ZB 15 CUS - Zack marker strip

0824945

<https://www.phoenixcontact.com/pc/products/0824945>

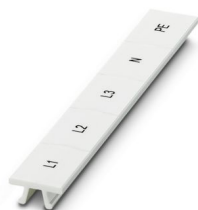


Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 15.2 mm, lettering field size: 10.5 x 15.1 mm, Number of individual labels: 5

ZB 15,LGS:L1-N,PE - Zack marker strip

0811998

<https://www.phoenixcontact.com/pc/products/0811998>



Zack marker strip, Strip, white, labeled, printed horizontally: L1, L2, L3, N, PE, mounting type: snapped, for terminal block width: 15.2 mm, lettering field size: 10.5 x 15.1 mm, Number of individual labels: 5

SSK 135 KER-EX - Feed-through terminal block

0505055

<https://www.phoenixcontact.com/pc/products/0505055>



SZS 1,0X4,0 VDE - Screwdriver

1205066

<https://www.phoenixcontact.com/pc/products/1205066>



Screwdriver, slot-headed, VDE insulated, size: 1.0 x 4.0 x 100 mm, 2-component grip, with non-slip grip

Phoenix Contact 2024 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG

Flachsmarktstraße 8

D-32825 Blomberg

+49 (0) 5235-3 00

info@phoenixcontact.com