

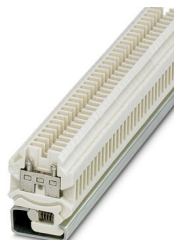
SSK 0525 KER-EX - Feed-through terminal block



0501059

<https://www.phoenixcontact.com/us/products/0501059>

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: 0.2 mm² - 4 mm², 24 - 12 AWG, width: 6.2 mm, 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	0501059
Packing unit	1 pc
Minimum order quantity	50 pc
Sales key	BE12
Product key	BE1211
Catalog page	Page 541 (C-1-2019)
GTIN	4017918002480
Weight per piece (including packing)	20.151 g
Weight per piece (excluding packing)	18.775 g
Customs tariff number	85369010
Country of origin	DE

SSK 0525 KER-EX - Feed-through terminal block



0501059

<https://www.phoenixcontact.com/us/products/0501059>

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	0.77 W

Connection data

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

Level 1 above 1 below 1

Screw thread	M3
Tightening torque	0.5 ... 0.6 Nm
Stripping length	9 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)
Conductor cross section flexible	0.2 mm ² ... 4 mm ²
Conductor cross section, flexible [AWG]	24 ... 12 (converted acc. to IEC)
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 ... 1.5 mm ²
2 conductors with same cross section, solid	0.2 mm ² ... 1.5 mm ²
2 conductors with same cross section, flexible	0.2 mm ² ... 1.5 mm ²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.25 mm ² ... 1.5 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	24 A
Maximum load current	32 A (with 4 mm ² conductor cross section)
Nominal voltage	690 V
Nominal cross section	2.5 mm ²

Ex data

SSK 0525 KER-EX - Feed-through terminal block



0501059

<https://www.phoenixcontact.com/us/products/0501059>

Rated data (ATEX/IECEX)

Identification	Ex II 2 GD Ex eb IIC Gb
Operating temperature range	-60 °C ... 180 °C
Ex-certified accessories	0201061 D-SSK 0525 KER 1201044 E/1
List of bridges	Chain bridge / KB- 6 / 0201472
Bridge data	28 A / 4 mm²
Ex temperature increase	40 K (31.3 A / 4 mm²)
Rated voltage	440 V
for bridging with bridge	440 V
Rated insulation voltage	400 V
output	(Permanent)

Ex level General

Rated current	28 A
Maximum load current	28 A
Contact resistance	0.94 mΩ

Ex connection data General

Torque range	0.5 Nm ... 0.6 Nm
Nominal cross section	4 mm²
Rated cross section AWG	12
Connection capacity rigid	0.2 mm² ... 4 mm²
Connection capacity AWG	24 ... 12
Connection capacity flexible	0.25 mm² ... 4 mm²
Connection capacity AWG	22 ... 12

Dimensions

Width	6.2 mm
End cover width	3.5 mm
Height	38 mm
Depth on NS 32	48 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

Test voltage setpoint	9.8 kV
Result	Test passed

Temperature-rise test

SSK 0525 KER-EX - Feed-through terminal block



0501059

<https://www.phoenixcontact.com/us/products/0501059>

Requirement temperature-rise test	Increase in temperature ≤ 45 K
Result	Test passed
Short-time withstand current 4 mm ²	0.48 kA
Result	Test passed

Power-frequency withstand voltage

Test voltage setpoint	1.89 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
Test force setpoint	1 N
Result	Test passed

Test for conductor damage and slackening

Rotation speed	10 rpm
Revolutions	135
Conductor cross section/weight	0.2 mm ² / 0.2 kg
	4 mm ² / 0.9 kg
Result	Test passed

Standards and regulations

Connection in acc. with standard	IEC 60947-7-1
----------------------------------	---------------

Mounting

Mounting type	NS 32
---------------	-------

SSK 0525 KER-EX - Feed-through terminal block



0501059

<https://www.phoenixcontact.com/us/products/0501059>

Drawings

Circuit diagram



SSK 0525 KER-EX - Feed-through terminal block





0501059

<https://www.phoenixcontact.com/us/products/0501059>


Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/0501059>


 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	20 A	22 - 12	-


 ATEX Approval ID: KIWA17ATEX0022U				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	440 V	28 A	-	0.2 - 4
Only flexible conductors	440 V	28 A	-	0.25 - 4

 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
	440 V	28 A	-	0.2 - 4
Only flexible conductors	440 V	28 A	-	0.2 - 4

 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
	440 V	64.5 A	-	-
Only flexible conductors	440 V	55 A	-	-

SSK 0525 KER-EX - Feed-through terminal block



0501059

<https://www.phoenixcontact.com/us/products/0501059>



UKCA-EX

Approval ID: CSAE 22UKEX1188U

SSK 0525 KER-EX - Feed-through terminal block



0501059

<https://www.phoenixcontact.com/us/products/0501059>

Classifications

ECLASS

ECLASS-11.0	27141120
ECLASS-13.0	27250101

ETIM

ETIM 8.0	EC000897
----------	----------

UNSPSC

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

SSK 0525 KER-EX - Feed-through terminal block



0501059

<https://www.phoenixcontact.com/us/products/0501059>

Environmental product compliance

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

SSK 0525 KER-EX - Feed-through terminal block



0501059

<https://www.phoenixcontact.com/us/products/0501059>

Accessories



Note: Applying some accessories below might limit this product.

KBI- 6 - Chain bridge

0202329

<https://www.phoenixcontact.com/us/products/0202329>



Chain bridge, pitch: 6 mm, number of positions: 1, color: silver



Max. current carrying capacity: 32 A

D-SSK 0525 KER - End cover

0201061

<https://www.phoenixcontact.com/us/products/0201061>



End cover, length: 38 mm, width: 4.2 mm, color: gray, insulation material: ceramic

SSK 0525 KER-EX - Feed-through terminal block



0501059

<https://www.phoenixcontact.com/us/products/0501059>

E/1 - End clamp

1201044

<https://www.phoenixcontact.com/us/products/1201044>



End clamp, width: 8 mm

SF-SL 0,6X3,5-100 S-VDE - Screwdriver

1212587

<https://www.phoenixcontact.com/us/products/1212587>



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

SSK 0525 KER-EX - Feed-through terminal block



0501059

<https://www.phoenixcontact.com/us/products/0501059>

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

1201002

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



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

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

1201015

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



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

SSK 0525 KER-EX - Feed-through terminal block



0501059

<https://www.phoenixcontact.com/us/products/0501059>

ZB 6:UNBEDRUCKT - Zack marker strip

1051003

<https://www.phoenixcontact.com/us/products/1051003>



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm, Number of individual labels: 10

ZB 6 CUS - Zack marker strip

0824992

<https://www.phoenixcontact.com/us/products/0824992>



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm, Number of individual labels: 10

SSK 0525 KER-EX - Feed-through terminal block



0501059

<https://www.phoenixcontact.com/us/products/0501059>

ZB 6,LGS:FORTL.ZAHLEN - Zack marker strip

1051016

<https://www.phoenixcontact.com/us/products/1051016>

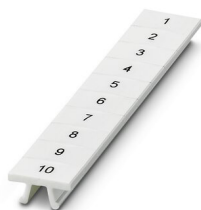


Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 491 ... 500, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 6. 15 x 10.5 mm, Number of individual labels: 10

ZB 6,QR:FORTL.ZAHLEN - Zack marker strip

1051029

<https://www.phoenixcontact.com/us/products/1051029>



Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 491 ... 500, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 6. 15 x 10.5 mm, Number of individual labels: 10

SSK 0525 KER-EX - Feed-through terminal block



0501059

<https://www.phoenixcontact.com/us/products/0501059>

ZB 6,LGS:GLEICHE ZAHLEN - Zack marker strip

1051032

<https://www.phoenixcontact.com/us/products/1051032>



Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, printed horizontally: Identical numbers 1 or 2, etc. up to 100, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm, Number of individual labels: 10

ZB 6,LGS:L1-N,PE - Marker for terminal blocks

1051414

<https://www.phoenixcontact.com/us/products/1051414>



Marker for terminal blocks, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, horizontal: L1, L2, L3, N, PE, L1, L2, L3, N, PE, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm, Number of individual labels: 10

SSK 0525 KER-EX - Feed-through terminal block



0501059

<https://www.phoenixcontact.com/us/products/0501059>

ZB 6,LGS:U-N - Marker for terminal blocks

1051430

<https://www.phoenixcontact.com/us/products/1051430>



Marker for terminal blocks, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, printed horizontally: U, V, W, N, GND, U, V, W, N, GND, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm, Number of individual labels: 10

UC-TM 6 - Marker for terminal blocks

0818085

<https://www.phoenixcontact.com/us/products/0818085>



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 5.6 x 10.5 mm, Number of individual labels: 80

SSK 0525 KER-EX - Feed-through terminal block



0501059

<https://www.phoenixcontact.com/us/products/0501059>

UC-TM 6 CUS - Marker for terminal blocks

0824589

<https://www.phoenixcontact.com/us/products/0824589>



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 5.6 x 10.5 mm, Number of individual labels: 80

UCT-TM 6 - Marker for terminal blocks

0828736

<https://www.phoenixcontact.com/us/products/0828736>



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 5.6 x 10.5 mm, Number of individual labels: 60

SSK 0525 KER-EX - Feed-through terminal block



0501059

<https://www.phoenixcontact.com/us/products/0501059>

UCT-TM 6 CUS - Marker for terminal blocks

0829602

<https://www.phoenixcontact.com/us/products/0829602>



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 5.6 x 10.5 mm, Number of individual labels: 60

Phoenix Contact 2023 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com