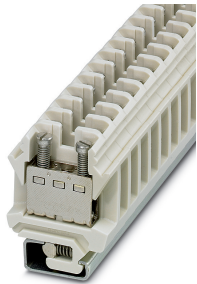


Feed-through terminal block - SSK 135 KER-EX - 0505055

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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



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	10 pc
GTIN	 4 017918 002596
GTIN	4017918002596
Weight per Piece (excluding packing)	98.620 g
Custom tariff number	85369010
Country of origin	Germany

Technical data

General

Number of levels	1
Number of connections	2
Potentials	1
Nominal cross section	35 mm ²
Color	ivory

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Technical data

General

Insulating material	PA
Material	Ceramics
Rated surge voltage	8 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Maximum power dissipation for nominal condition	4.06 W
Maximum load current	125 A (with 35 mm ² conductor cross section)
Nominal current I _N	101 A (with 25 mm ² conductor cross section)
Nominal voltage U _N	800 V
Open side panel	Yes
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Back of the hand protection	guaranteed
Result of surge voltage test	Test passed
Result of power-frequency withstand voltage test	Test passed
Power frequency withstand voltage setpoint	2 kV
Result of the test for mechanical stability of terminal points (5 x conductor connection)	Test passed
Result of flexion and pull-out test	Test passed
Bending test rotation speed	10 (+/- 2) rpm
Bending test turns	135
Tensile test result	Test passed
Result of tight fit on support	Test passed
Tight fit on carrier	NS 32
Result of voltage-drop test	Test passed
Requirements, voltage drop	$U_1 \leq 3.2 \text{ mV}; U_2 \leq 1.5 \times U_1$
Result of temperature-rise test	Test passed
Requirement temperature-rise test	Increase in temperature $\leq 45 \text{ K}$
Proof of thermal characteristics (needle flame) effective duration	30 s

Dimensions

Width	15.3 mm
Length	53 mm
Height NS 32	67 mm

Connection data

Connection method	Screw connection
Screw thread	M6

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Technical data

Connection data

Stripping length	16 mm
Tightening torque, min	3.2 Nm
Tightening torque max	3.7 Nm
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid min.	1 mm ²
Conductor cross section solid max.	35 mm ²
Conductor cross section AWG min.	18
Conductor cross section AWG max.	2
Conductor cross section flexible min.	1 mm ²
Conductor cross section flexible max.	25 mm ²
Min. AWG conductor cross section, flexible	18
Max. AWG conductor cross section, flexible	3
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.75 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	25 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.75 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	16 mm ²
2 conductors with same cross section, solid min.	0.75 mm ²
2 conductors with same cross section, solid max.	10 mm ²
2 conductors with same cross section, stranded min.	0.75 mm ²
2 conductors with same cross section, stranded max.	10 mm ²
Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum	0.75 mm ²
Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum	10 mm ²
Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum	0.75 mm ²
Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum	10 mm ²
Connection in acc. with standard	IEC/EN 60079-7
Conductor cross section AWG min.	18
Conductor cross section AWG max.	2
Internal cylindrical gage	B7

Ambient conditions

Operating temperature	-60 °C ... 180 °C
Ambient temperature (storage/transport)	for a short time, not exceeding 24 h, -60 °C to +70 °C

Standards and Regulations

Connection in acc. with standard	IEC 60947-7-1
	IEC/EN 60079-7

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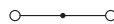
Technical data

Environmental Product Compliance

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

Drawings

Circuit diagram



Classifications

eCl@ss

eCl@ss 10.0.1	27141120
eCl@ss 11.0	27141120
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	27141120
eCl@ss 9.0	27141120

ETIM

ETIM 2.0	EC000897
ETIM 3.0	EC000897
ETIM 4.0	EC000897
ETIM 6.0	EC000897
ETIM 7.0	EC000897

UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410
UNSPSC 18.0	39121410
UNSPSC 19.0	39121410
UNSPSC 20.0	39121410

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Classifications

UNSPSC

UNSPSC 21.0	39121410
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Approvals

Approvals


Approvals

CSA

Ex Approvals

GL / EAC Ex / IECEx / DNV GL-EX / NEPSI / ATEX / CCC

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
Nominal voltage UN		600 V	
Nominal current IN		140 A	
mm ² /AWG/kcmil		14-2	

Accessories

Accessories

DIN rail

DIN rail perforated - NS 32 PERF 2000MM - 1201002



DIN rail perforated, G profile, width: 32 mm, height: 15 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

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Accessories

DIN rail, unperforated - NS 32 UNPERF 2000MM - 1201015



DIN rail, unperforated, G profile, width: 32 mm, height: 15 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

End block

End clamp - E/1 - 1201044



End clamp, width: 8 mm

End cover

End cover - D-SSK 135 KER - 0205067



End cover, insulation material: ceramic

Labeled terminal marker

Zack marker strip - ZB 15 CUS - 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

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Accessories

Zack marker strip - ZB 15,LGS:L1-N,PE - 0811998



Zack marker strip, Strip, white, labeled, printed horizontally: L1, L2, L3, N, PE, 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

Screw bridge

Chain bridge - KBI- 15 - 0205203



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

Fixed bridge - FBI 2-15 - 0201333



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

Terminal marking

Zack marker strip - ZB 15:UNBEDRUCKT - 0811972



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, 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