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

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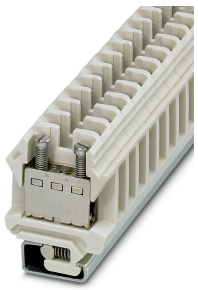

Feed-through terminal block, connection method: screw connection, cross section: 1 mm² - 35 mm², 18 - 2 AWG, color: white, mounting type: NS 32, insulation material: ceramic

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 mm²
Color	ivory

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Technical data

General

Insulating material	PA
Material	Ceramics
Flammability rating according to UL 94	V0
Maximum load current	125 A (with 35 mm² conductor cross section)
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 mm² conductor cross section)
Nominal current I_N	101 A (with 25 mm² 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 bending 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
Setpoint	10 N
Result of voltage-drop test	Test passed
Requirements, voltage drop	$U_1 \leq 3.2$ mV; $U_2 \leq 1.5 \times U_1$
Result of temperature-rise test	Test passed
Requirement temperature-rise test	Increase in temperature ≤ 45 K
Proof of thermal characteristics (needle flame) effective duration	30 s
Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2018-05
Test spectrum	Service life test category 2, bogie-mounted
Test frequency	f_1 = 5 Hz to f_2 = 250 Hz
ASD level	6.12 $(m/s^2)^2$/Hz
Acceleration	3.12 g

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General

Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Shock form	Half-sine
Acceleration	30g
Shock duration	18 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)

Dimensions

Width	15.3 mm
Length	53 mm
Height NS 32	67 mm

Connection data

Connection method	Screw connection
Screw thread	M6
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 mm²
Conductor cross section solid max.	35 mm²
Conductor cross section AWG min.	18
Conductor cross section AWG max.	2
Conductor cross section flexible min.	1 mm²
Conductor cross section flexible max.	25 mm²
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 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	25 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.75 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	16 mm²
2 conductors with same cross section, solid min.	0.75 mm²
2 conductors with same cross section, solid max.	10 mm²
2 conductors with same cross section, stranded min.	0.75 mm²
2 conductors with same cross section, stranded max.	10 mm²
Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum	0.75 mm²

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Connection data

Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum	10 mm²
Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum	0.75 mm²
Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum	10 mm²
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

Standards and Regulations

Connection in acc. with standard	IEC 60947-7-1
	IEC/EN 60079-7
Flammability rating according to UL 94	V0

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 8.0	27141120
eCl@ss 9.0	27141120

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Classifications

ETIM

ETIM 2.0	EC000897
ETIM 3.0	EC000897
ETIM 4.0	EC000897
ETIM 5.0	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
UNSPSC 21.0	39121410

Approvals

Approvals

Approvals

CSA

Ex Approvals

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

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631

Nominal voltage UN	600 V
Nominal current IN	140 A
mm²/AWG/kcmil	14-2

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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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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

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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

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Accessories

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

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

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Fixed bridge - FBI 2-15 - 0201333

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

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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

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Accessories