

USK 4-FS/FS(8-2,8-0,8) - Feed-through terminal block



0271017

<https://www.phoenixcontact.com/ca/products/0271017>

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Feed-through terminal block, nom. voltage: 800 V, nominal current: 32 A, number of connections: 8, connection method: Spade connection, 1 level, Rated cross section: 4 mm², cross section: 0.5 mm² - 6 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

Commercial data

Item number	0271017
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE05
Product key	BE511X
Catalog page	Page 537 (C-1-2019)
GTIN	4017918000127
Weight per piece (including packing)	6.144 g
Weight per piece (excluding packing)	6.125 g
Customs tariff number	85369010
Country of origin	PL

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Technical data

Product properties

Product type	Feed-through terminal block
Number of connections	8
Number of rows	1
Potentials	1

Data management status

Article revision	02
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Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	1.02 W

Connection data

Number of connections per level	8
Nominal cross section	4 mm ²

1 level

Screw thread	M3
Spade connection	6.3/2.8 x 0.8 mm
Conductor cross section rigid	0.5 mm ² ... 6 mm ²
Cross section AWG	20 ... 10 (converted acc. to IEC)
Conductor cross section flexible	0.5 mm ² ... 6 mm ²
Conductor cross section, flexible [AWG]	20 ... 10 (converted acc. to IEC)
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm ² ... 6 mm ²
Nominal current	32 A (current data for slip-on connections in acc. with EN 61210 are also dependent on nominal size, material, insulation of the sleeve and conductor cross section.)
Maximum load current	32 A (current data for slip-on connections in acc. with EN 61210 are also dependent on nominal size, material, insulation of the sleeve and conductor cross section.)
Nominal voltage	800 V (voltage data for slip-on connections in acc. with EN 61210 are also dependent on nominal size, material, insulation of the sleeve and conductor cross section.)
Nominal cross section	4 mm ²

Dimensions

Width	6.2 mm
End cover width	1.3 mm
Height	42.5 mm
Depth on NS 32	50.5 mm

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Depth on NS 35/7,5	45.5 mm
Depth on NS 35/15	53 mm

Material specifications

Color	gray (RAL 7042)
Flammability rating according to UL 94	V2
Insulating material group	I
Insulating material	PA

Mechanical properties

Mechanical data

Open side panel	Yes
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Environmental and real-life conditions

Ambient conditions

Ambient temperature (storage/transport)	-25 °C ... 55 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (storage/transport)	30 % ... 70 %

Mounting

Mounting type	NS 35/7,5
	NS 35/15

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Drawings

Circuit diagram



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/ca/products/0271017>

 CSA Approval ID: 13631				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	600 V	20 A	-	-

 UL Recognized Approval ID: E60425				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B				
	600 V	20 A	-	-
Use group C				
	600 V	20 A	-	-

 EAC Approval ID: RU C-DE.BL08.B.00541				
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Classifications

ECLASS

ECLASS-11.0	27141120
ECLASS-13.0	27250101

ETIM

ETIM 9.0	EC000897
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UNSPSC

UNSPSC 21.0	39121400
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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%

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