

UK 35-FE - Feed-through terminal block



3048219

<https://www.phoenixcontact.com/us/products/3048219>

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Feed-through terminal block, nom. voltage: 800 V, nominal current: 125 A, number of connections: 2, connection method: Screw connection, Rated cross section: 35 mm², cross section: 10 mm² - 35 mm², mounting type: NS 35/7,5, NS 35/15, color: black/yellow

Your advantages

- The large wiring space enables the connection of solid and stranded conductors without ferrules, even above the nominal cross section
- As well as saving space, the compact design enables user-friendly wiring in a small amount of space
- Optimum screwdriver guidance through closed screw shafts

Commercial data

Item number	3048219
Packing unit	50 pc
Minimum order quantity	50 pc
Product key	BE1211
GTIN	4046356762694
Weight per piece (including packing)	57.691 g
Weight per piece (excluding packing)	57.691 g
Country of origin	DE

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Technical data

Product properties

Product type	Feed-through 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	4.06 W

Connection data

Number of connections per level	2
Nominal cross section	35 mm ²

Level 1 above 1 below 1

Connection method	Screw connection
Screw thread	M6
Tightening torque	3.2 ... 3.7 Nm
Stripping length	16 mm
Connection in acc. with standard	IEC 60947-7-1
Conductor cross-section rigid	10 mm ² ... 35 mm ²
Cross section AWG	6 ... 2 (converted acc. to IEC)
Conductor cross-section flexible	10 mm ² ... 35 mm ²
Conductor cross-section, flexible [AWG]	6 ... 2 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	10 mm ² ... 35 mm ²
Flexible conductor cross-section (ferrule with plastic sleeve)	10 mm ² ... 35 mm ²
2 conductors with same cross section, solid	6 mm ² ... 16 mm ²
2 conductors with same cross section, flexible	6 mm ² ... 10 mm ²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	6 mm ² ... 10 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	6 mm ² ... 10 mm ²
Nominal current	125 A
Maximum load current	125 A
Nominal voltage	800 V
Nominal cross section	35 mm ²

Dimensions

Width	15.1 mm
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Height	54.5 mm
Depth on NS 32	67.1 mm
Depth on NS 35/7,5	62.1 mm
Depth on NS 35/15	69.6 mm

Material specifications

Color	multicolored
	black (RAL 9005)
	yellow (RAL 1018)
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	125 °C
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3
Calorimetric heat release NFPA 130 (ASTM E 1354)	27,5 MJ/kg
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed

Mechanical properties

Mechanical data

Open side panel	No
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Environmental and real-life conditions

Ambient conditions

Ambient temperature (storage/transport)	-25 °C ... 60 °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 %

Standards and regulations

Connection in acc. with standard	IEC 60947-7-1
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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/us/products/3048219>

CSA Approval ID: 13631				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B				
	600 V	150 A	18 - 1/0	-
C				
	600 V	150 A	18 - 1/0	-
With ATP	1000 V	150 A	18 - 1/0	-

CB IECEE CB Scheme Approval ID: NL-26111				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	1000 V	-	-	- 35

cULus cULus Recognized Approval ID: E60425				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B				
	600 V	150 A	18 - 1/0	-
C				
	600 V	150 A	18 - 1/0	-
F				
	1000 V	150 A	18 - 1/0	-

KEMA-KEUR Approval ID: 71-119836				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	1000 V	-	-	0.75 - 35

ClassNK Approval ID: 09 ME 141	
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DNV Approval ID: TAE00001CT	
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 cUL Recognized Approval ID: E192998				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	600 V	150 A	18 - 1/0	-

 GL Approval ID: 98876-96 HH				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
EEx e II part certificate	690 V	118.5 A	-	- 35

 UL Recognized Approval ID: E192998				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	600 V	150 A	18 - 1/0	-

 EAC Ex Approval ID: KZ 7500525010101950				
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Classifications

ECLASS

ECLASS-13.0	27250101
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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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