

UHK 4-FS/FS(12-2,8-0,8) - Feed-through terminal block



2017224

<https://www.phoenixcontact.com/us/products/2017224>

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Feed-through terminal block, nom. voltage: 800 V, nominal current: 40 A, number of connections: 12, connection method: Spade connection, 1 level, cross section: 0.5 mm² - 6 mm², mounting type: NS 35/7,5, NS 35/15, NS 32, color: gray

Your advantages

- Designation read from the front
- User-friendly operation, i.e., unobstructed view of plugs, good access to plugs, and fast connection check
- Attractive appearance due to the elegant conductor conduit in the lateral cable ducts
- Terminal blocks and bridge connections eliminated

Commercial data

Item number	2017224
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE05
Product key	BE511X
GTIN	4017918052683
Weight per piece (including packing)	9.207 g
Weight per piece (excluding packing)	9.017 g
Customs tariff number	85369010
Country of origin	PL

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Technical data

Product properties

Product type	Feed-through terminal block
Product family	UHK
Number of connections	12
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 W

Connection data

Number of connections per level	12
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1 level

Connection method	Spade connection
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	40 A (dependent on the slip-on connection sleeve)
Maximum load current	40 A (dependent on the slip-on connection sleeve)
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.)

Dimensions

Width	6.2 mm
End cover width	2.3 mm
Height	54 mm
Depth on NS 32	56.5 mm
Depth on NS 35/7,5	51.5 mm
Depth on NS 35/15	59 mm

Material specifications

Color	gray (RAL 7042)
Flammability rating according to UL 94	V2

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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))	130 °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)	28 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	Yes
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Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see RTI Elec.)
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 (operation)	20 % ... 90 %
Permissible humidity (storage/transport)	30 % ... 70 %

Mounting

Mounting type	NS 35/7,5
	NS 35/15
	NS 32

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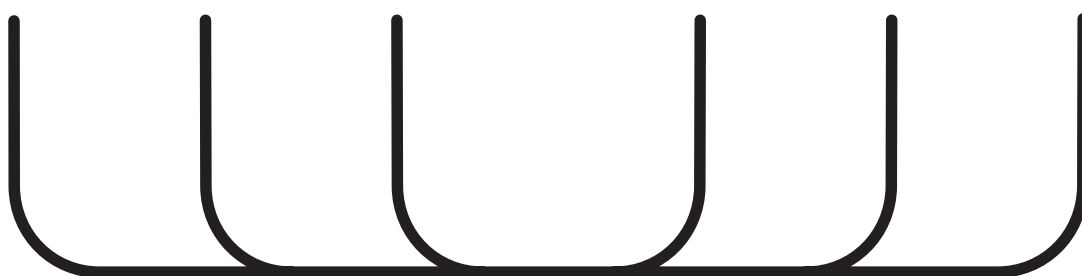


2017224

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Drawings

Circuit diagram



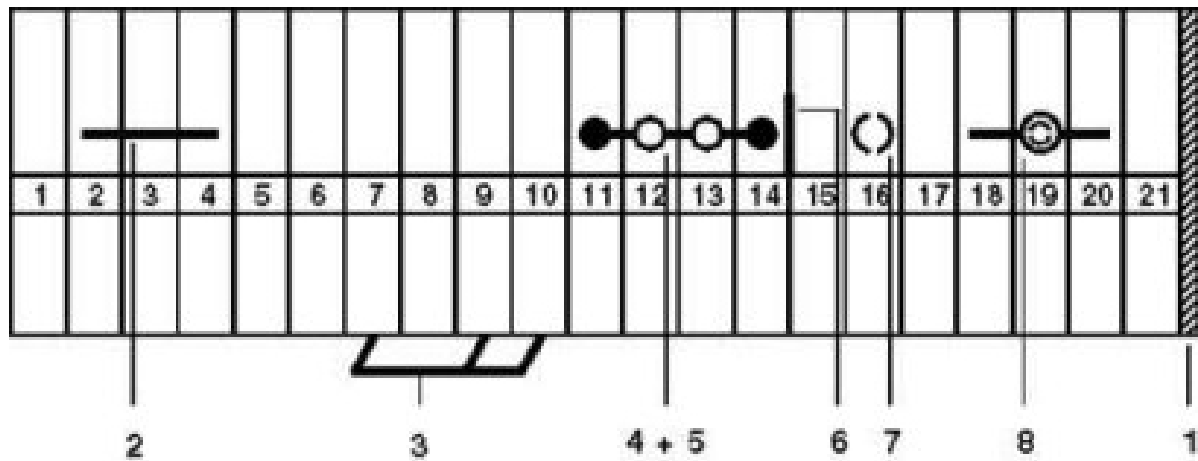
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2017224

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Circuit diagram



- 1 = cover
- 2 = fixed bridge
- 3 = insertion bridge
- 4 = isolator bridge bar
- 5 = bridge bar isolator
- 6 = separating plate
- 7 = partition plate
- 8 = test plug socket

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2017224

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2017224>

 CSA Approval ID: 13631				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
keine				
	600 V	20 A	22 - 14	-

 UL Recognized Approval ID: E60425				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
B				
	250 V	25 A	28 - 12	-
C				
	150 V	25 A	28 - 12	-

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

ECLASS

ECLASS-13.0	27250101
ECLASS-15.0	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
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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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