

MXK 4 - Feed-through terminal block



0561002

<https://www.phoenixcontact.com/pc/products/0561002>

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Feed-through terminal block, nom. voltage: 690 V, nominal current: 32 A, number of connections: 2, connection method: Screw connection, cross section: 0.2 mm² - 4 mm², mounting type: NS 15, color: gray

Commercial data

Item number	0561002
Packing unit	50 pc
Minimum order quantity	50 pc
Product key	BE1261
GTIN	4017918002909
Weight per piece (including packing)	8.301 g
Weight per piece (excluding packing)	8.235 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	2
Number of rows	1

Electrical properties

Maximum power dissipation for nominal condition	0 W
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Connection data

Number of connections per level	2
Screw thread	M3
Tightening torque	0.6 ... 0.8 Nm
Stripping length	8 mm
Internal cylindrical gage	A3
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.2 mm ² ... 4 mm ²
Cross section AWG	24 ... 12 (converted acc. to IEC)
Conductor cross section flexible	0.2 mm ² ... 4 mm ²
Conductor cross section, flexible [AWG]	24 ... 12 (converted acc. to IEC)
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm ² ... 4 mm ²
Nominal current	32 A
Nominal voltage	690 V

Ex data

Rated data (ATEX/IECEx)

Identification	Ex II 2 G Ex eb IIC Gb
Operating temperature range	-60 °C ... 110 °C
Ex-certified accessories	0561015 D-MXK 4
	1205053 SZS 0,6X3,5
	1421633 E/MK
	1421659 E/MK 1
	1401637 E/MBK
List of bridges	Fixed bridge / FB 10- 6-EX / 0201281
Bridge data	29 A / 4 mm ²
Ex temperature increase	40 K (30.06 A / 4 mm ²)
Rated voltage	440 V
for bridging with bridge	440 V
Rated insulation voltage	400 V
output	(Permanent)

Ex level General

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Rated current	27 A
Maximum load current	27 A
Contact resistance	0.25 mΩ

Ex connection data General

Torque range	0.6 Nm ... 0.8 Nm
Nominal cross section	4 mm²
Rated cross section AWG	12
Connection capacity rigid	0.2 mm² ... 4 mm²
Connection capacity AWG	24 ... 12
Connection capacity flexible	0.2 mm² ... 4 mm²
Connection capacity AWG	24 ... 12
2 conductors with same cross section, solid	0.2 mm² ... 1.5 mm²
2 conductors with the same cross-section AWG rigid	20 ... 14
2 conductors with same cross section, stranded	0.2 mm² ... 1.5 mm²
2 conductors with the same cross-section AWG flexible	20 ... 14

Dimensions

Width	6.2 mm
Height	28 mm
Depth on NS 35/7,5	38 mm

Material specifications

Color	gray
Flammability rating according to UL 94	V0
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
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

Electrical tests

Surge voltage test

Result	Test passed
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Temperature-rise test

Requirement temperature-rise test	Increase in temperature ≤ 45 K
Result	Test passed
Short-time withstand current 4 mm²	0.48 kA
Result	Test passed

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Power-frequency withstand voltage

Test voltage setpoint	1.89 kV
Result	Test passed

Mechanical properties

Mechanical data

Open side panel	Yes
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Mechanical tests

Mechanical strength

Result	Test passed
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Attachment on the carrier

DIN rail/fixing support	NS 15
Test force setpoint	1 N
Result	Test passed

Environmental and real-life conditions

Needle-flame test

Time of exposure	30 s
Result	Test passed

Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2018-05
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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, no longer than 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 %

Standards and regulations

Connection in acc. with standard	IEC 60947-7-1
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Mounting

Mounting type	NS 15
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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/0561002>



EAC Ex
Approval ID: RU C-DE.Ax07.B.03227

	IECEx Approval ID: IECExPTB06.0100U			
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	440 V	27 A	-	0.2 - 4

	ATEX Approval ID: PTB99ATEX3132U			
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	440 V	27 A	-	0.2 - 4



CCC
Approval ID: 2020322313000629

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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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