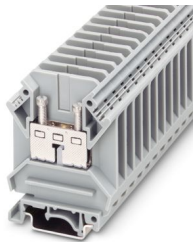


0704076

<https://www.phoenixcontact.com/ca/products/0704076>

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Feed-through terminal block, nom. voltage: 2000 V, nominal current: 41 A, number of connections: 2, connection method: Screw connection, cross section: 0.5 mm² - 10 mm², mounting type: NS 35/7,5, NS 35/15, NS 32, color: gray

Your advantages

- All universal terminal blocks in the UK... series can also be used in the Ex e area according to IEC/EN 60079 as standard
- The corresponding EC-type examination numbers for Ex approval can be found in the technical connection data

Commercial data

Item number	0704076
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BE01
Product key	BE1211
Catalog page	Page 460 (C-1-2019)
GTIN	4017918003661
Weight per piece (including packing)	27.11 g
Weight per piece (excluding packing)	25.602 g
Customs tariff number	85369010
Country of origin	DE

UHSK/S 2000 - Feed-through terminal block



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Technical data

Product properties

Product type	Feed-through terminal block
Product family	UHSKS
Number of connections	2
Number of rows	1
Potentials	2

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	12 kV
Maximum power dissipation for nominal condition	1.31 W

Connection data

Number of connections per level	2
Nominal cross section	6 mm ²

Level 1 above 1 below 1

Screw thread	M4
Tightening torque	1.5 ... 1.8 Nm
Stripping length	15 mm
Internal cylindrical gage	A5
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.5 mm ² ... 10 mm ²
Cross section AWG	20 ... 8 (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)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm ² ... 10 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm ² ... 6 mm ²
2 conductors with same cross section, solid	0.5 mm ² ... 6 mm ²
2 conductors with same cross section, flexible	0.5 mm ² ... 6 mm ²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.5 mm ² ... 6 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ² ... 6 mm ²
Nominal current	41 A (with 6 mm ² conductor cross section)
Maximum load current	57 A (with 10 mm ² conductor cross section)
Nominal voltage	2000 V (in the case of enclosed clamping space)

Ex data

UHSK/S 2000 - Feed-through terminal block



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Rated data (ATEX/IECEX)

Identification	Ex II 2 GD Ex eb IIC Gb
Operating temperature range	-60 °C ... 110 °C
Ex-certified accessories	0704021 D-UHSK 2000
	1205066 SZS 1,0X4,0 VDE
	1201442 E/UK
Bridge data	51 A / 10 mm ²
Ex temperature increase	40 K (57 A / 10 mm ²)
Rated voltage	1100 V
for bridging with bridge	1100 V
Rated insulation voltage	1000 V
output	(Permanent)

Ex level General

Rated current	41 A
Maximum load current	57 A
Contact resistance	0.3 mΩ

Ex connection data General

Torque range	1.5 Nm ... 1.8 Nm
Nominal cross section	6 mm ²
Rated cross section AWG	10
Connection capacity rigid	0.5 mm ² ... 10 mm ²
Connection capacity AWG	20 ... 8
Connection capacity flexible	0.5 mm ² ... 6 mm ²
Connection capacity AWG	20 ... 10
2 conductors with same cross section, solid	0.5 mm ² ... 6 mm ²
2 conductors with the same cross-section AWG rigid	20 ... 10
2 conductors with same cross section, stranded	0.5 mm ² ... 6 mm ²
2 conductors with the same cross-section AWG flexible	20 ... 10

Dimensions

Width	10.2 mm
End cover width	2 mm
Height	52 mm
Depth on NS 32	75.5 mm
Depth on NS 35/7,5	70.5 mm
Depth on NS 35/15	78 mm

Material specifications

Color	gray
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °C

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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

Electrical tests

Surge voltage test

Test voltage setpoint	14.8 kV
Result	Test passed

Temperature-rise test

Requirement temperature-rise test	Increase in temperature ≤ 45 K
Result	Test passed
Short-time withstand current 6 mm ²	0.72 kA
Short-time withstand current 10 mm ²	1.2 kA
Result	Test passed

Power-frequency withstand voltage

Test voltage setpoint	3.5 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 32/NS 35
Test force setpoint	5 N
Result	Test passed

Test for conductor damage and slackening

Rotation speed	10 rpm
Revolutions	135
	0.5 mm ² / 0.3 kg

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Conductor cross section/weight	6 mm ² / 1.4 kg
	10 mm ² / 2 kg
Result	Test passed

Environmental and real-life conditions

Needle-flame test

Time of exposure	30 s
Result	Test passed

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 35/7,5
	NS 35/15
	NS 32

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Drawings

Circuit diagram



UHSK/S 2000 - Feed-through terminal block



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/ca/products/0704076>

DNV

Approval ID: TAE00001CT



CSA

Approval ID: 13631

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	600 V	25 A	26 - 12	-



cULus Recognized

Approval ID: E60425

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B				
	600 V	50 A	26 - 8	-
Use group C				
	600 V	50 A	26 - 8	-
Use group F				
	1000 V	50 A	26 - 8	-
Use group E				
	1000 V	50 A	26 - 8	-



EAC Ex

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



IECEx

Approval ID: IECEx SEV12.0008U



ATEX

Approval ID: SEV12ATEX0168U



CCC

Approval ID: 2020322313000623



UKCA-EX

Approval ID: CML 22UKEX1225U

UHSK/S 2000 - Feed-through terminal block



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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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