UK 6 N RD - Feed-through terminal block

0719223

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Feed-through terminal block, nom. voltage: 800 V, nominal current: 41 A, number of connections: 2, number of positions: 1, connection method: Screw connection, Rated cross section: 6 mm^2, cross section: 0.2 mm^2 - 10 mm^2, mounting type: NS 35/7,5, NS 35/15, color: red

Commercial data

Item number	0719223
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE1211
Product key	BE1211
GTIN	4017918955052
Weight per piece (including packing)	13.53 g
Weight per piece (excluding packing)	13.076 g
Customs tariff number	85369010
Country of origin	CN

Technical data

Product properties

Product type	Feed-through terminal block
Product family	UK
Number of positions	1
Number of connections	2
Number of rows	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	1.31 W

Connection data

Number of connections per level	2
Nominal cross section	6 mm²

Level 1 above 1 below 1

Connection method	Screw connection
Screw thread	M4
Tightening torque	1.5 ... 1.8 Nm
Stripping length	10 mm
Internal cylindrical gage	A5
Connection in acc. with standard	IEC 60947-7-1
Conductor cross-section rigid	0.2 mm² ... 10 mm²
Cross section AWG	24 ... 8 (converted acc. to IEC)
Conductor cross-section flexible	0.2 mm² ... 6 mm²
Conductor cross-section, flexible [AWG]	24 ... 10 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm² ... 6 mm²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.25 mm² ... 6 mm²
Cross-section with insertion bridge, rigid	4 mm²
Cross-section with insertion bridge, flexible	4 mm²
2 conductors with same cross section, rigid	0.2 mm² ... 2.5 mm²
2 conductors with same cross section, flexible	0.2 mm² ... 2.5 mm²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.25 mm² ... 1.5 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm² ... 4 mm²
Nominal cross section	6 mm²
Nominal current	41 A
Maximum load current	57 A (with 10 mm² conductor cross-section)

Nominal voltage	800 V

Dimensions

Width	8.2 mm
End cover width	1.8 mm
Height	42.5 mm
Depth on NS 32	52 mm
Depth on NS 35/7,5	47 mm
Depth on NS 35/15	54.5 mm

Material specifications

Color	red (RAL 3001)
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)	125 °C

Electrical tests

Surge voltage test

Test voltage setpoint	9.8 kV
Result	Test passed

Temperature-rise test

Requirement temperature-rise test	Increase in temperature ≤ 45 K
Result	Test passed
Short-time withstand current 6 mm²	0.72 kA
Result	Test passed

Mechanical properties

Mechanical data

Open side panel	Yes

Mechanical tests

Mechanical strength

Result	Test passed

Attachment on the carrier

DIN rail/fixing support	NS 32/NS 35
Test force setpoint	5 N
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, 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 %

Standards and regulations

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

Mounting

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

Drawings

Circuit diagram



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/gb/products/0719223

CSA
Approval ID: 13631

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	600 V	50 A	26 - 8	-

IECEE CB Scheme
Approval ID: NL-65053

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	800 V	41 A	-	- 6

cULus Recognized
Approval ID: E60425

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B				
	600 V	50 A	26 - 8	-
Multi-conductor connection	600 V	50 A	18 - 12	-
C				
	600 V	50 A	26 - 8	-
Multi-conductor connection	600 V	50 A	18 - 12	-
F				
	800 V	50 A	26 - 8	-
Multi-conductor connection	800 V	50 A	18 - 12	-

KEMA-KEUR
Approval ID: 71-119849

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	800 V	41 A	-	- 6

NK
Approval ID: 09 ME 141

cUL Recognized
Approval ID: E192998

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	600 V	50 A	26 - 8	-

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	43.5 A	-	- 6

UL Recognized
Approval ID: E192998

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	600 V	50 A	26 - 8	-

EAC Ex
Approval ID: KZ 7500525010101950

Classifications

ECLASS

ECLASS-13.0	27250101
ECLASS-15.0	27250101

ETIM

ETIM 10.0	EC000897

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	32b2baed-44a6-4dde-9462-9a13d9c713cb

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PHOENIX CONTACT Ltd
Halesfield 13, Telford
Shropshire, TF7 4PG
01952 681700
info@phoenixcontact.co.uk