UDK 4-DUR 5K1 - Component terminal block

2776032

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Component terminal block, nom. voltage: 630 V, nominal current: 32 A, number of connections: 4, connection method: Screw connection, 1 level, Rated cross section: 4 mm^2, cross section: 0.2 mm^2 - 6 mm^2, mounting type: NS 35/7,5, NS 35/15, NS 32, color: gray

Your advantages

- The four-conductor connection enables user-friendly wiring
- A voltage signal pick-off can be implemented in the measuring line using this terminal block, enabling the signal to be used as an analog signal for process computers
- The constant circuits common in process automation transmit the measured values as a load-independent current of 0 - 20 mA
- The lower level is assigned to the measuring line while the upper level is used for voltage pick-off via the 5.1 kOhm resistor

Commercial data

Item number	2776032
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE12
Product key	BE1273
GTIN	4055626165738
Weight per piece (including packing)	15.076 g
Weight per piece (excluding packing)	15 g
Customs tariff number	85369010
Country of origin	PL

Technical data

Product properties

Product type	Component terminal block
Number of connections	4
Number of rows	1
Potentials	1

Data management status

Article revision	02

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	6 kV

Connection data

Number of connections per level	4
Nominal cross section	4 mm²

1 level

Screw thread	M3
Tightening torque	0.5 ... 0.6 Nm
Stripping length	8 mm
Internal cylindrical gage	A4
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.2 mm² ... 6 mm²
Cross section AWG	24 ... 10 (converted acc. to IEC)
Conductor cross section flexible	0.2 mm² ... 4 mm²
Conductor cross section, flexible [AWG]	24 ... 12 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm² ... 4 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm² ... 1.5 mm²
Cross-section with insertion bridge, rigid	2.5 mm²
Cross-section with insertion bridge, flexible	2.5 mm²
2 conductors with same cross section, solid	0.2 mm² ... 1 mm²
2 conductors with same cross section, flexible	0.2 mm² ... 1.5 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 ... 1 mm²
Nominal current	32 A (the current is determined by the component used)
Maximum load current	10 mA (the current is determined by the component used)
Nominal voltage	630 V

Nominal cross section	4 mm²

Dimensions

Width	6.2 mm
End cover width	1.5 mm
Height	63.5 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	gray (RAL 7042)
Flammability rating according to UL 94	V2
Insulating material group	I
Insulating material	PA

Mechanical properties

Mechanical data

Open side panel	Yes

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, 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

Mounting

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

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2776032

EAC
Approval ID: RU C-DE.BL08.B.00534

Classifications

ECLASS

ECLASS-11.0	27141127
ECLASS-12.0	27141127
ECLASS-13.0	27250114

ETIM

ETIM 9.0	EC000903

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	dd9428d0-8707-44e1-839c-0510f5905b7f

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