

2318295

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Assembled shielded round cable; controller: Emerson Delta V; connection 1: IDC/FLK socket strip (1x 24-position); connection 2: IDC/FLK socket strip (1x 16-position); cable length: 4 m

Commercial data

Item number	2318295
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	DK221K
GTIN	4046356307925
Weight per piece (including packing)	326.4 g
Weight per piece (excluding packing)	326.4 g
Customs tariff number	85444290
Country of origin	DE



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Technical data

Product properties

Product type	System cable	
Insulation characteristics: Air clearances and creepage distances		
Insulation	Functional insulation	
Overvoltage category	II	
Pollution degree	2	

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP00
Degree of protection (Installation location)	≥ IP54 (Installation location)
Ambient temperature (operation) (fixed installation)	-40 °C 70 °C (fixed installation)
Ambient temperature (operation) (flexible installation)	-10 °C 70 °C (flexible installation)
Ambient temperature (storage/transport)	-40 °C 80 °C
Altitude	≤ 2000 m

Electrical properties

Operating voltage (AC)	≤ 25 V AC
Operating voltage (DC)	≤ 60 V DC
Nominal operating mode	100% operating factor
Current (Per path, 50°C)	≤ 1 A
Current (Per path, 70°C)	≤ 0.6 A
Canada (Carpany, Carp	

Air clearances and creepage distances

Wire diameter incl. insulation

External cable diameter

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	Rated insulation voltage	63 V
	Rated surge voltage	0.6 kV

Cable/line

Cable length	4 m
16X0.14 [PVC]	
UL AWM Style	2464/1061
Number of positions	16
Shielded	yes
Cable type	16X0.14 [PVC]
Conductor type	Assembled shielded round cable
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Conductor cross section	16x 0.14 mm ²

1 mm ±0.03 mm 7.00 mm ±0.4 mm



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Outer sheath, material	Semi-rigid PVC
External sheath, color	gray
Conductor material	Tin-plated Cu litz wires
Cable resistance	≤ 145 Ω/km (20 °C)
Insulation resistance	≥ 20 MΩ*km (20 °C)
Smallest bending radius, fixed installation	74 mm
Smallest bending radius, movable installation	133 mm
Dynamic load capacity (bending)	Max. bending cycles: 5000 (at a radius of ≥ 15x outside diameter)
Halogen-free	no
Flame resistance	IEC 60332-1-2 (raw cable)
	VDE 0842, Part 332-1-2 (raw cable)
	IEC 60332-3-22 (raw cable)
	UL VW-1
	CSA FT-1
Resistance to oil	can withstand occasional splashes (raw cable)
Cable type	Cable for one module

Connection data

Field level

Connection in acc. with standard	IEC 60603-13
Connection method	IDC/FLK socket strip
Number of connections	1
Number of positions	16
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

Controller level

Connection in acc. with standard	IEC 60603-13
Connection method	IDC/FLK socket strip
Number of connections	1
Number of positions	24
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

Standards and regulations

Air clearances and creepage distances

Standards/regulations	DIN EN 50178

Notes

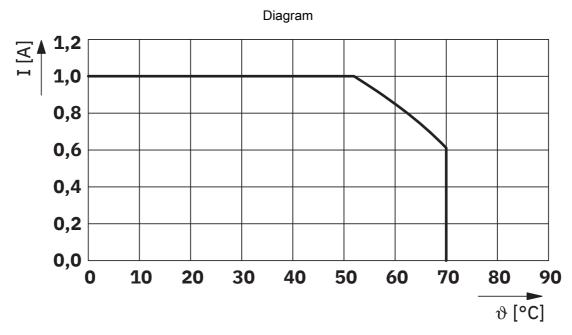
Dov pari inst	or proper use, the specifications of the installation directive (see ownloads) must be observed. For applications or use with third-arty products, the specifications, and the safety and warning structions of the respective third-party manufacturer must also e met.



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Drawings



Maximum permissible current per path in uncoiled state



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Classifications

UNSPSC

UNSPSC 21.0 26121620



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Environmental product compliance

EU RoHS

20 (0)	
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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Phoenix Contact USA 586 Fulling Mill Road Middletown, PA 17057, United States (+717) 944-1300 info@phoenixcon.com