VIP-CAB-FLK20/EZ-DR/10,0M/S - Cable

2904841

https://www.phoenixcontact.com/us/products/2904841

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Assembled shielded round cable with additional shield connection and two 20-pos. socket strips (1:1 connection). One socket strip is molded (90° outlet), cable length: 10 m

Your advantages

- 20-pos.
- 1:1 connection

Commercial data

Item number	2904841
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	DK2AH2
GTIN	4046356903905
Weight per piece (including packing)	930.8 g
Weight per piece (excluding packing)	333.333 g
Customs tariff number	85444290
Country of origin	DE

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 (DC)	≤ 24 V DC
Nominal operating mode	100% operating factor
Current (Per path)	≤ 0.5 A

Air clearances and creepage distances

Rated insulation voltage	50 V
Rated surge voltage	0.5 kV (1.2/50 µs)

Cable/line

Cable length	10 m
UL AWM Style	2464/1061
Number of positions	20
Shielded	yes
Conductor type	Assembled shielded round cable
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Conductor cross-section	20x 0.14 mm²
Wire diameter incl. insulation	1 mm ±0.03 mm
External cable diameter	7.70 mm ±0.3 mm
Outer sheath, material	Semi-rigid PVC
External sheath, color	gray
Conductor material	Tin-plated Cu litz wires
Cable resistance	≤ 145 Ω/km (at 20 °C)
Insulation resistance	≥ 20 MΩ*km (20 °C)

Smallest bending radius, fixed installation	80 mm
Smallest bending radius, movable installation	144 mm
Dynamic load capacity (bending)	Max. bending cycles: 5000 (at a radius of ≥ 18x 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

Flat-ribbon cable connector

Connection in acc. with standard	IEC 60603-13
Connection method	IDC/FLK socket strip
Number of connections	1
Number of positions	20
Exit angle	90 °
Insertion/withdrawal cycles	> 200
Pitch	2.54 mm

Flat-ribbon cable connector

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Connection method	IDC/FLK socket strip
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Number of positions	20
Insertion/withdrawal cycles	> 200
Pitch	2.54 mm

Standards and regulations

Air clearances and creepage distances

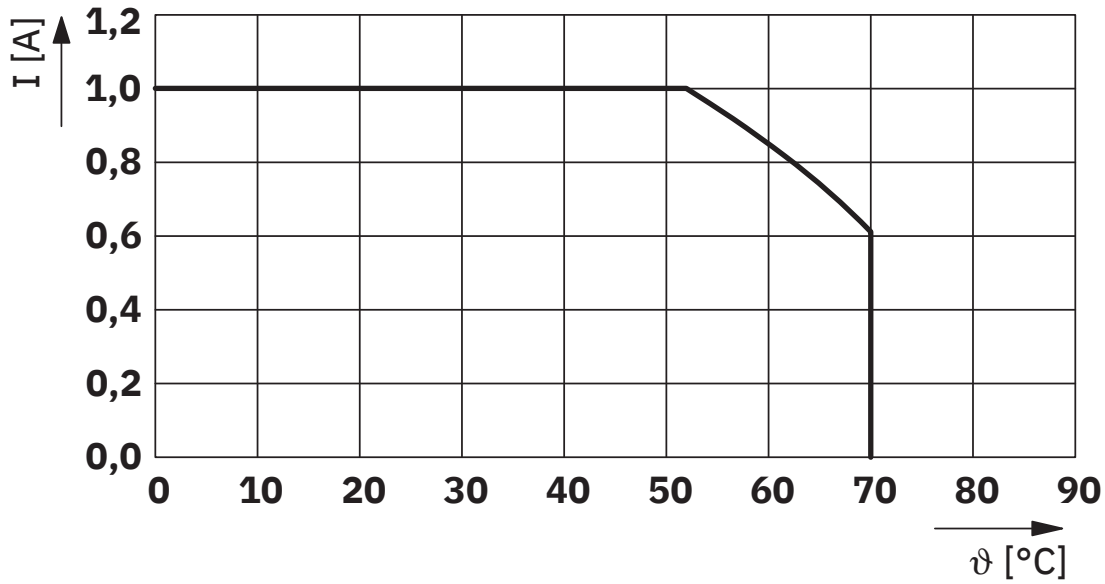
Standards/regulations	DIN EN 50178

Notes

Notes on operation	For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.

Drawings

Diagram



Maximum permissible current per path in uncoiled state

Classifications

ECLASS

ECLASS-13.0	27242220

UNSPSC

UNSPSC 21.0	26121600

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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