VIP-CAB-FLK16/FR/OE/0,14/1,0M - Cable

2900131

https://www.phoenixcontact.com/pc/products/2900131

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Round cable set; connection 1: Single wires (16-position) (The wires are marked and fitted with ferrules); connection 2: IDC/FLK socket strip (1x 16-position, 90 °-out put); cable length: 1 m

Your advantages

- 14 and 16-pos.
- Connector in accordance with IEC 60603-13
- 1:1 connection
- Open end at one end

Commercial data

Item number	2900131
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	CK2223
Catalog page	Page 584 (C-5-2017)
GTIN	4046356476461
Weight per piece (including packing)	85.6 g
Weight per piece (excluding packing)	83.7 g
Customs tariff number	85444290
Country of origin	DE

Technical data

Product properties

Product type	System cable

Environmental and real-life conditions

Ambient conditions

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

Electrical properties

Operating voltage (AC)	≤ 30 V AC
Operating voltage (DC)	≤ 60 V DC
Nominal operating mode	100% operating factor
Current (Per path, 50°C)	≤ 1 A (Uncoiled, see derating)
Current (Per path, 70°C)	≤ 0.6 A (Uncoiled, see derating)

Cable/line

Cable length	1 m

16X0.14 [PVC]

Number of positions	16
Shielded	no
Cable type	16X0.14 [PVC]
Conductor type	Round cable set
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Conductor cross section	16x 0.14 mm²
Wire diameter incl. insulation	1 mm ±0.03 mm
External cable diameter	6.80 mm ±0.4 mm
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	58 mm
Smallest bending radius, movable installation	108 mm
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)
IDC/FLK16 (1)	() = black
IDC/FLK16 (2)	() = brown
IDC/FLK16 (3)	() = red
IDC/FLK16 (4)	() = orange
IDC/FLK16 (5)	() = yellow
IDC/FLK16 (6)	() = green
IDC/FLK16 (7)	() = blue
IDC/FLK16 (8)	() = violet
IDC/FLK16 (9)	() = gray
IDC/FLK16 (10)	() = white
IDC/FLK16 (11)	() = white-black
IDC/FLK16 (12)	() = white-brown
IDC/FLK16 (13)	() = white-red
IDC/FLK16 (14)	() = white-orange
IDC/FLK16 (15)	() = white-yellow
IDC/FLK16 (16)	() = white-green
Cable type	Cable for one module

Connection data

Connection 1

Connection method	Single wires
Stripping length (Sheath)	≈ ⌣⌣⊕↓ mm
Number of positions	16
Note	The wires are marked and fitted with ferrules

Connection 2

Connection in acc. with standard	based on IEC 60603-13
Connection method	IDC/FLK socket strip
Number of connections	1
Number of positions	16
Exit angle	90 °
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

Notes

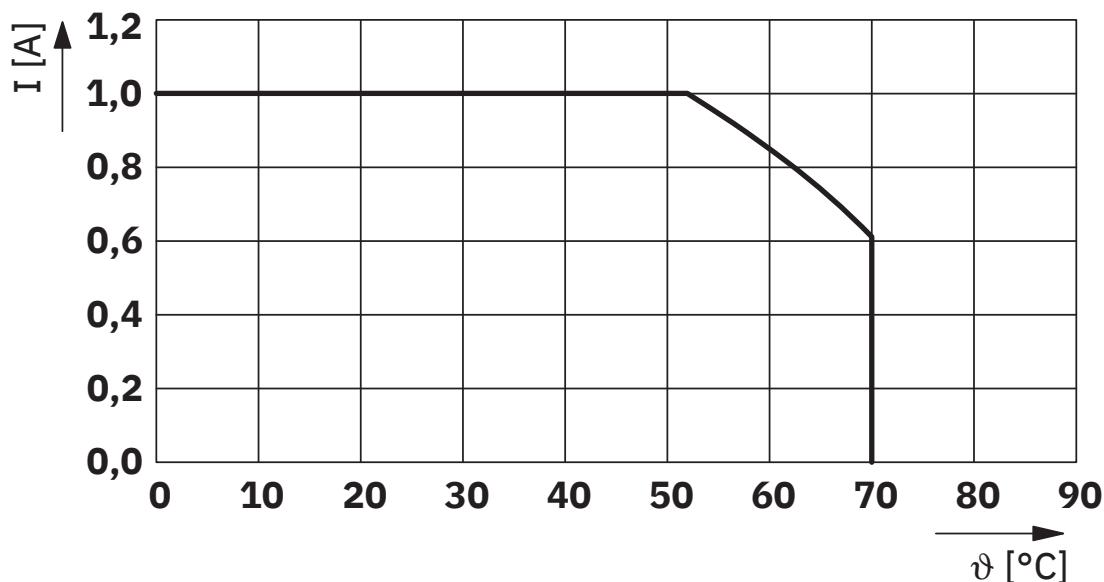|	
Notes on operation	For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also

be met.

Drawings

Diagram

Maximum permissible current per path in uncoiled state

Classifications

ECLASS

ECLASS-11.0	27242220

ETIM

ETIM 8.0	EC000237

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%