FLK 14/16/EZ-DR/ 100/S7 - Cable

2293828

https://www.phoenixcontact.com/us/products/2293828

PHŒNIX CONTACT

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Round cable set; controller: SIMATIC$^®$ TOP connect; connection 1: IDC/FLK socket strip (1x 16-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 1 m

Commercial data

Item number	2293828
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C421
Product key	CK2147
Catalog page	Page 524 (C-7-2015)
GTIN	4017918125516
Weight per piece (including packing)	65.9 g
Weight per piece (excluding packing)	63 g
Customs tariff number	85444290
Country of origin	DE

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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

14X0.14 [PVC]

UL AWM Style	2464/1061
Number of positions	14
Shielded	no
Cable type	14X0.14 [PVC]
Conductor type	Round cable set
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Conductor cross section	14x 0.14 mm²
Wire diameter incl. insulation	1 mm ±0.03 mm
External cable diameter	6.40 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	55 mm
Smallest bending radius, movable installation	104 mm
Max. bending cycles	5000 (at a radius of ≥ 15x outside diameter)

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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)	IDC/FLK14 (10) = white
IDC/FLK16 (2)	IDC/FLK14 (8) = violet
IDC/FLK16 (3)	IDC/FLK14 (12) = white-brown
IDC/FLK16 (4)	IDC/FLK14 (7) = blue
IDC/FLK16 (5)	IDC/FLK14 (14) = white-orange
IDC/FLK16 (6)	IDC/FLK14 (6) = green
IDC/FLK16 (7)	IDC/FLK14 () =
IDC/FLK16 (8)	IDC/FLK14 (5) = yellow
IDC/FLK16 (9)	IDC/FLK14 (9) = gray
IDC/FLK16 (10)	IDC/FLK14 (4) = orange
IDC/FLK16 (11)	IDC/FLK14 (11) = white-black
IDC/FLK16 (12)	IDC/FLK14 (3) = red
IDC/FLK16 (13)	IDC/FLK14 (13) = white-red
IDC/FLK16 (14)	IDC/FLK14 (2) = brown
IDC/FLK16 (15)	IDC/FLK14 () =
IDC/FLK16 (16)	IDC/FLK14 (1) = black

Connection data

Connection 1

Connection in acc. with standard	based on 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

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	14
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

Notes

General	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.

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Classifications

ECLASS

ECLASS-11.0	27242220
ECLASS-12.0	27242220
ECLASS-13.0	27242220

ETIM

ETIM 9.0	EC000237

UNSPSC

UNSPSC 21.0	26121600

Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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