FLK 14/16/EZ-DR/HF/ 150/S7 - Cable

2296935

https://www.phoenixcontact.com/us/products/2296935

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.

Assembled, halogen-free round cable; controller: SIMATIC® TOP connect; connection 1: IDC/FLK socket strip (1x 16-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 1.5 m

Commercial data

Item number	2296935
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C421
Product key	CK2147
Catalog page	Page 525 (C-7-2015)
GTIN	4017918733667
Weight per piece (including packing)	94.6 g
Weight per piece (excluding packing)	81.9 g
Customs tariff number	85444290
Country of origin	DE

FLK 14/16/EZ-DR/HF/ 150/S7 - Cable

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	1.5 m
Number of positions	14
Shielded	no
Conductor type	Assembled, halogen-free round cable
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	5.80 mm ±0.4 mm
Outer sheath, material	halogen-free (type 2)
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	50 mm
Smallest bending radius, movable installation	93 mm
Max. bending cycles	5000 (at a radius of ≥ 15x outside diameter)
Halogen-free	yes
Flame resistance	IEC 60332-1-2 (raw cable)
	VDE 0842, Part 332-1-2 (raw cable)
	IEC 60332-3-22 (raw cable)

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
Cable type	Cable for one module

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.

FLK 14/16/EZ-DR/HF/ 150/S7 - Cable

2296935

https://www.phoenixcontact.com/us/products/2296935

Phoenix Contact USA

586 Fulling Mill Road

Middletown, PA 17057, United States

(+717) 944-1300

info@phoenixcon.com