CABLE-KS50/2FLK14/HF/10,0M/NIO - Cable

1150093

https://www.phoenixcontact.com/gb/products/1150093

PHŒNIX CONTACT

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Assembled, shielded, halogen-free round cable; connection 1: Yokogawa, KS compatible (1x 50-position); connection 2: IDC/FLK socket strip (2x 14-position); cable length: 10 m

Commercial data

Item number	1150093
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DK221N
Product key	DK221N
GTIN	4063151146269
Weight per piece (including packing)	1.96 kg
Weight per piece (excluding packing)	1.96 kg
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 (DC)	≤ 30 V DC
Nominal operating mode	100% operating factor
Current (Per path)	≤ 500 mA (uncoiled)

Supported controller YOKOGAWA N-I/O

Suitable I/O card	A2MMM843

Cable/line

Cable length	10 m
UL AWM Style	21946
Number of positions	50
Shielded	yes
Conductor type	Assembled, shielded, halogen-free round cable
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Conductor cross section	50x 0.14 mm²
Wire diameter incl. insulation	1 mm ±0.03 mm
External cable diameter	11.00 mm ±0.4 mm
External sheath, color	gray
Conductor material	Tin-plated Cu litz wires
Smallest bending radius, fixed installation	114 mm
Smallest bending radius, movable installation	205 mm
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)

Color code

black	IDC/FLK50 X1 (3) = IDC/FLK14 X2 (14)
brown	IDC/FLK50 X1 (4) = IDC/FLK14 X2 (8)
red	IDC/FLK50 X1 (5) = IDC/FLK14 X2 (7)
orange	IDC/FLK50 X1 (6) = IDC/FLK14 X2 (14)
yellow	IDC/FLK50 X1 (9) = IDC/FLK14 X2 (12)
green	IDC/FLK50 X1 (10) = IDC/FLK14 X2 (6)
blue	IDC/FLK50 X1 (11) = IDC/FLK14 X2 (5)
violet	IDC/FLK50 X1 (12) = IDC/FLK14 X2 (12)
gray	IDC/FLK50 X1 (15) = IDC/FLK14 X2 (12)
white	IDC/FLK50 X1 (16) = IDC/FLK14 X2 (4)
white-black	IDC/FLK50 X1 (17) = IDC/FLK14 X2 (3)
white-brown	IDC/FLK50 X1 (18) = IDC/FLK14 X2 (10)
white-red	IDC/FLK50 X1 (21) = IDC/FLK14 X2 (1)
white-orange	IDC/FLK50 X1 (22) = IDC/FLK14 X2 (2)
white-yellow	IDC/FLK50 X1 (23) = IDC/FLK14 X2 (1)
white-green	IDC/FLK50 X1 (24) = IDC/FLK14 X2 (10)
white-blue	IDC/FLK50 X1 (27) = IDC/FLK14 X3 (14)
white-violet	IDC/FLK50 X1 (28) = IDC/FLK14 X3 (8)
white-gray	IDC/FLK50 X1 (29) = IDC/FLK14 X3 (7)
brown-black	IDC/FLK50 X1 (30) = IDC/FLK14 X3 (14)
brown-red	IDC/FLK50 X1 (33) = IDC/FLK14 X3 (12)
brown-orange	IDC/FLK50 X1 (34) = IDC/FLK14 X3 (6)
brown-yellow	IDC/FLK50 X1 (35) = IDC/FLK14 X3 (5)
brown-green	IDC/FLK50 X1 (36) = IDC/FLK14 X3 (12)
brown-blue	IDC/FLK50 X1 (39) = IDC/FLK14 X3 (12)
brown-violet	IDC/FLK50 X1 (40) = IDC/FLK14 X3 (4)
brown-gray	IDC/FLK50 X1 (41) = IDC/FLK14 X3 (3)
brown-white	IDC/FLK50 X1 (42) = IDC/FLK14 X3 (10)
green-black	IDC/FLK50 X1 (45) = IDC/FLK14 X3 (10)
green-brown	IDC/FLK50 X1 (46) = IDC/FLK14 X3 (2)
green-red	IDC/FLK50 X1 (47) = IDC/FLK14 X3 (1)
green-orange	IDC/FLK50 X1 (48) = IDC/FLK14 X3 (10)

Connection data

Connection 1

Connection in acc. with standard	IEC 60603-13 (in compliance)
Connection method	Yokogawa, KS compatible
Number of connections	1
Number of positions	50
Tightening torque	0.5 Nm (Screw connection)
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

Connection 2

Connection in acc. with standard	IEC 60603-13 (in compliance)
Connection method	IDC/FLK socket strip
Number of connections	2
Number of positions	14
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.

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/gb/products/1150093

UL Listed
Approval ID: E238705

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Classifications

ECLASS

ECLASS-13.0	27242220

ETIM

ETIM 9.0	EC000237

UNSPSC

UNSPSC 21.0	26121600

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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%