FLK 50/2FLK20/EZ-DR/ 600/DV - Cable

2304937

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PHŒNIX CONTACT

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Round cable set; controller: Emerson Delta V; connection 1: IDC/FLK socket strip (2x 20-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 6 m

Your advantages

- The DeltaV system can be used to install the process wiring via "mass termination blocks" (MTBs) using flat-ribbon cable plugs
- System cables specifically designed for 32-channel I/O modules with 40-pin MTB for connecting I/O modules to 32-channel VARIOFACE interface modules

Commercial data

Item number	2304937
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	CK2152
Catalog page	Page 476 (C-5-2019)
GTIN	4046356011747
Weight per piece (including packing)	862.9 g
Weight per piece (excluding packing)	862.9 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)

Supported controller EMERSON DeltaV

Suitable I/O card	VE4001S2T2B5
	VE4002S1T2B6

Cable/line

Cable length	6 m

40X0.14 [PVC]

UL AWM Style	2464/1061
Number of positions	40
Shielded	no
Cable type	40X0.14 [PVC]
Conductor type	Round cable set
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Conductor cross section	40x 0.14 mm²
Wire diameter incl. insulation	1 mm ±0.03 mm
External cable diameter	9.90 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)

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Smallest bending radius, fixed installation	82 mm
Smallest bending radius, movable installation	155 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/FLK50 (3)	IDC/FLK20-1 (1) = black
IDC/FLK50 (4)	IDC/FLK20-1 (2) = brown
IDC/FLK50 (5)	IDC/FLK20-1 (3) = red
IDC/FLK50 (6)	IDC/FLK20-1 (4) = orange
IDC/FLK50 (7)	IDC/FLK20-1 (5) = yellow
IDC/FLK50 (8)	IDC/FLK20-1 (6) = green
IDC/FLK50 (9)	IDC/FLK20-1 (7) = blue
IDC/FLK50 (10)	IDC/FLK20-1 (8) = violet
IDC/FLK50 (11)	IDC/FLK20-1 (18) = gray
IDC/FLK50 (15)	IDC/FLK20-1 (9) = white
IDC/FLK50 (16)	IDC/FLK20-1 (10) = white-black
IDC/FLK50 (17)	IDC/FLK20-1 (11) = white-brown
IDC/FLK50 (18)	IDC/FLK20-1 (12) = white-red
IDC/FLK50 (19)	IDC/FLK20-1 (13) = white-orange
IDC/FLK50 (20)	IDC/FLK20-1 (14) = white-yellow
IDC/FLK50 (21)	IDC/FLK20-1 (15) = white-green
IDC/FLK50 (22)	IDC/FLK20-1 (16) = white-blue
IDC/FLK50 (23)	IDC/FLK20-1 (20) = white-violet
IDC/FLK50 (27)	IDC/FLK20-2 (1) = white-gray
IDC/FLK50 (28)	IDC/FLK20-2 (2) = brown-black
IDC/FLK50 (29)	IDC/FLK20-2 (3) = brown-red
IDC/FLK50 (30)	IDC/FLK20-2 (4) = brown-orange
IDC/FLK50 (31)	IDC/FLK20-2 (5) = brown-yellow
IDC/FLK50 (32)	IDC/FLK20-2 (6) = brown-green
IDC/FLK50 (33)	IDC/FLK20-2 (7) = brown-blue
IDC/FLK50 (34)	IDC/FLK20-2 (8) = brown-violet
IDC/FLK50 (35)	IDC/FLK20-2 (18) = brown-gray
IDC/FLK50 (39)	IDC/FLK20-2 (9) = brown-white
IDC/FLK50 (40)	IDC/FLK20-2 (10) = green-black
IDC/FLK50 (41)	IDC/FLK20-2 (11) = green-brown
IDC/FLK50 (42)	IDC/FLK20-2 (12) = green-red
IDC/FLK50 (43)	IDC/FLK20-2 (13) = green-orange
IDC/FLK50 (44)	IDC/FLK20-2 (14) = green-blue
IDC/FLK50 (45)	IDC/FLK20-2 (15) = green-violet

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IDC/FLK50 (46)	IDC/FLK20-2 (16) = green-gray
IDC/FLK50 (47)	IDC/FLK20-2 (20) = green-white
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	2
Number of positions	20
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	50
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.