

Cable - FLK 10/EZ-DR/1000/KONFEK - 2299288

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Round cable set; connection 1: IDC/FLK socket strip (1x 10-position); connection 2: IDC/FLK socket strip (1x 10-position); cable length: 10 m

Your advantages

- Unshielded



Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 886011
GTIN	4017918886011
Weight per Piece (excluding packing)	493.600 g
Custom tariff number	85444290
Country of origin	Germany

Technical data

Ambient conditions

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

General

Max. permissible operating voltage	25 V AC
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Technical data

General

	60 V DC
Max. current carrying capacity per path	1 A (50 °C)
	0.6 A (70°C)
Nominal operating mode	100% operating factor

Cable

Length of cable	10 m
Type of cable	Round cable set
Single wires, quantity	7
Single wire, material	Cu tin-plated
Single wire, cross section	0.14 mm ²
Single wire, cross section [AWG]	26
Wire diameter incl. insulation	1 mm ±0.03 mm
External cable diameter	6.1 mm ±0.4 mm
Cable, preassembly	Insulation displacement, IEC 60352-4/DIN EN 60352-4
Shielding	no
Halogen-free cable	No
Cable type	Cable for one module
Smallest bending radius, fixed installation	52 mm
Smallest bending radius, movable installation	98 mm
Bending cycles	5000 (at a radius of ≥ 15x outside diameter)
Cable insulation resistance	≥ 20 MΩ/km (20 °C)
Cable resistance	≤ 145 Ω/km (20 °C)
Outer sheath, material	Semi-rigid PVC
External sheath, color	gray
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)
Gasoline resistance	can withstand occasional splashes (raw cable)

Connection data

Connection name	Field level
Connection in acc. with standard	IEC 60603-13
Connection method	IDC/FLK socket strip
Number of connections	1

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Technical data

Connection data

Number of positions	10
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

Connection data 2

Connection name	Controller level
Connection in acc. with standard	IEC 60603-13
Connection method	IDC/FLK socket strip
Number of connections	1
Number of positions	10
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

Standards and Regulations

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)
Gasoline resistance	can withstand occasional splashes (raw cable)
Designation	Air clearances and creepage distances
Standards/regulations	DIN EN 50178
Rated insulation voltage	63 V
Rated surge voltage	0.6 kV
Insulation	Functional insulation
Pollution degree	2
Overvoltage category	II

Supported controller

Controller	Emerson DeltaV
- suitable I/O card	VE4002S1T2B4

Color code

Connector 1 = connector 2 (optional) = wire color	IDC/FLK10 (1) = IDC/FLK10 (1) = black
	IDC/FLK10 (2) = IDC/FLK10 (2) = brown
	IDC/FLK10 (3) = IDC/FLK10 (3) = red
	IDC/FLK10 (4) = IDC/FLK10 (4) = orange
	IDC/FLK10 (5) = IDC/FLK10 (5) = yellow

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Technical data

Color code

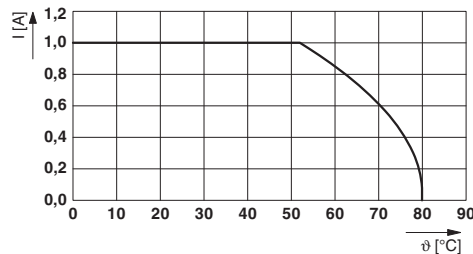
	IDC/FLK10 (6) = IDC/FLK10 (6) = green
	IDC/FLK10 (7) = IDC/FLK10 (7) = blue
	IDC/FLK10 (8) = IDC/FLK10 (8) = violet
	IDC/FLK10 (9) = IDC/FLK10 (9) = gray
	IDC/FLK10 (10) = IDC/FLK10 (10) = white

Environmental Product Compliance

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

Drawings

Diagram



Maximum permissible current per path in uncoiled state

Classifications

eCl@ss

eCl@ss 10.0.1	27242220
eCl@ss 11.0	27242220
eCl@ss 4.0	27060300
eCl@ss 4.1	27060300
eCl@ss 5.0	27242200
eCl@ss 5.1	27242200
eCl@ss 6.0	27249200
eCl@ss 7.0	27249205
eCl@ss 9.0	27242220

ETIM

ETIM 2.0	EC000237
ETIM 3.0	EC000237

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Classifications

ETIM

ETIM 4.0	EC000237
ETIM 6.0	EC000237
ETIM 7.0	EC000237

UNSPSC

UNSPSC 6.01	26121620
UNSPSC 7.0901	26121620
UNSPSC 11	26121620
UNSPSC 12.01	26121620
UNSPSC 13.2	26121620
UNSPSC 18.0	26121620
UNSPSC 19.0	26121620
UNSPSC 20.0	26121620
UNSPSC 21.0	26121620

Approvals

Approvals

Approvals

UL Listed / cUL Listed / EAC / cULus Listed


Ex Approvals

Approval details


UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705
Nominal voltage UN	125 V		
Nominal current IN	1 A		

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EAC		RU* DE.HB*35.B00385
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cULus Listed	
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