Cable - CABLE-FLK50/OE/0,14/ 100 - 2305350

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Round cable set; connection 1: Single wires (50-position) (The wires are marked and fitted with ferrules); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 1 m

Your advantages

- 20 and 50-pos.
- Connector according to IEC 60603-13
- Open end at one end
- 1:1 connection

Key Commercial Data

Packing unit	1 pc
GTIN	4 046356 039031
GTIN	4046356039031

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
	60 V DC
Max. current carrying capacity per path	1 A (50 °C)
	0.6 A (70°C)
Length of cable	1 m

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Technical data

General

External cable diameter	10.3 mm ±0.4 mm
Single wire, cross section	0.14 mm²
Single wire, cross section [AWG]	26
Single wire, number of litz wires	7
Single wire, material	Cu tin-plated
Wire diameter incl. insulation	1 mm ±0.03 mm
Smallest bending radius, fixed installation	86 mm
Smallest bending radius, movable installation	161 mm
Bending cycles	5000 (at a radius of ≥ 15x outside diameter)
Cable, preassembly	Insulation displacement, IEC 60352-4/DIN EN 60352-4
Shielding	no
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
Nominal operating mode	100% operating factor

Connection data

Connection name	Field level
Connection in acc. with standard	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

Connection data 2

Connection name	Controller level
Connection method	Single wires
Number of positions	50
Note	The wires are marked and fitted with ferrules

Standards and Regulations

Flame resistance	UL VW-1
	CSA FT-1
	IEC 60332-1-2
	VDE 0842, Part 332-1-2
	IEC 60332-3-22
Resistance to oil	against occasional splashes
Gasoline resistance	against occasional splashes
Connection in acc. with standard	CUL
Designation	Air clearances and creepage distances

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Standards and Regulations

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	universal

Color code

Connector 1 = connector 2 (optional) = wire color	IDC/FLK50 (1) = black
	IDC/FLK50 (2) = brown
	IDC/FLK50 (3) = red
	IDC/FLK50 (4) = orange
	IDC/FLK50 (5) = yellow
	IDC/FLK50 (6) = green
	IDC/FLK50 (7) = blue
	IDC/FLK50 (8) = violet
	IDC/FLK50 (9) = gray
	IDC/FLK50 (10) = white
	IDC/FLK50 (11) = white-black
	IDC/FLK50 (12) = white-brown
	IDC/FLK50 (13) = white-red
	IDC/FLK50 (14) = white-orange
	IDC/FLK50 (15) = white-yellow
	IDC/FLK50 (16) = white-green
	IDC/FLK50 (17) = white-blue
	IDC/FLK50 (18) = white-violet
	IDC/FLK50 (19) = white-gray
	IDC/FLK50 (20) = brown-black
	IDC/FLK50 (21) = brown-red
	IDC/FLK50 (22) = brown-orange
	IDC/FLK50 (23) = brown-yellow
	IDC/FLK50 (24) = brown-green
	IDC/FLK50 (25) = brown-blue
	IDC/FLK50 (26) = brown-violet
	IDC/FLK50 (27) = brown-gray
	IDC/FLK50 (28) = brown-white
	IDC/FLK50 (29) = green-black
	IDC/FLK50 (30) = green-brown
	IDC/FLK50 (31) = green-red

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Technical data

Color code

	IDC/FLK50 (32) = green-orange
	IDC/FLK50 (33) = green-blue
	IDC/FLK50 (34) = green-violet
	IDC/FLK50 (35) = green-gray
	IDC/FLK50 (36) = green-white
	IDC/FLK50 (37) = yellow-black
	IDC/FLK50 (38) = yellow-brown
	IDC/FLK50 (39) = yellow-red
	IDC/FLK50 (40) = yellow-orange
	IDC/FLK50 (41) = yellow-blue
	IDC/FLK50 (42) = yellow-violet
	IDC/FLK50 (43) = yellow-gray
	IDC/FLK50 (44) = yellow-white
	IDC/FLK50 (45) = gray-black
	IDC/FLK50 (46) = gray-brown
	IDC/FLK50 (47) = gray-red
	IDC/FLK50 (48) = gray-orange
	IDC/FLK50 (49) = gray-yellow
	IDC/FLK50 (50) = gray-green

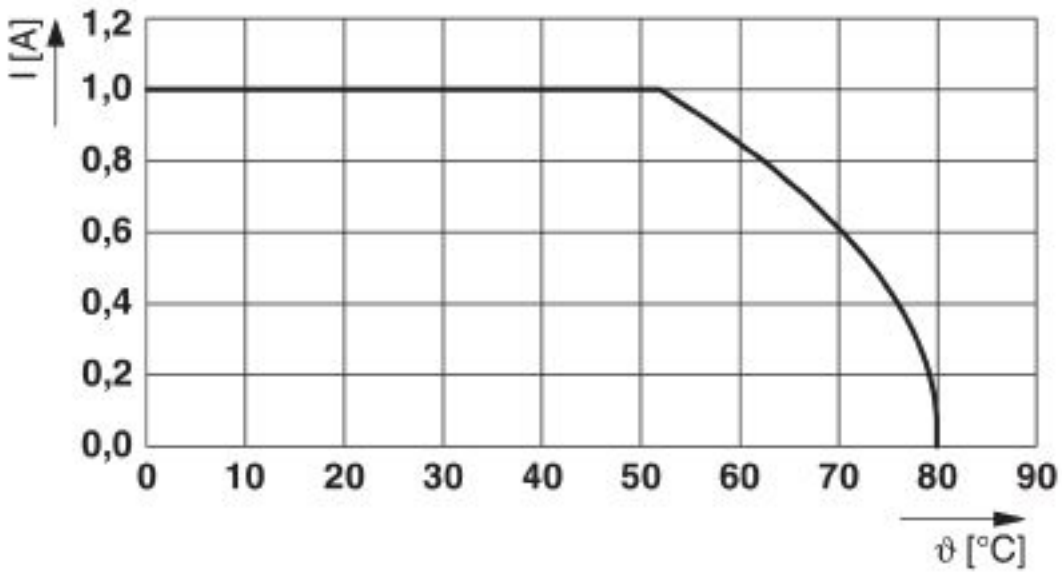
Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab “Downloads”, Category “Manufacturer's declaration”

Drawings

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Diagram



Maximum permissible current per path in uncoiled state

Classifications

eCl@ss

eCl@ss 10.0.1	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 8.0	27249205
eCl@ss 9.0	27242220

ETIM

ETIM 2.0	EC000237
ETIM 3.0	EC000237
ETIM 4.0	EC000237
ETIM 5.0	EC000237
ETIM 6.0	EC000237
ETIM 7.0	EC000237

UNSPSC

UNSPSC 6.01	26121620
UNSPSC 7.0901	26121620
UNSPSC 11	26121620

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Classifications

UNSPSC

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

cUL 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

EAC		RU*-DE.HB*35.B00385

cULus Listed	

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Accessories

Accessories

Marker carrier cable

Cable marker carrier - KME - 0807083



Cable marker carrier, white, unlabeled, mounting type: Assembly with cable binders, cable diameter: > 5 mm, lettering field size: 20 mm x 8 mm

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