

Cable - FLK 14/EZ-DR/HF/ 800/KONFEK - 2314024

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Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 8 m



Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 091534
GTIN	4046356091534
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
	60 V DC
Max. current carrying capacity per path	1 A (50 °C)
	0.6 A (70°C)

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Technical data

General

Nominal operating mode	100% operating factor
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Cable

Length of cable	8 m
Type of cable	Assembled, halogen-free round cable
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	5.8 mm ±0.4 mm
Cable, preassembly	Insulation displacement, IEC 60352-4/DIN EN 60352-4
Shielding	no
Halogen-free cable	Yes
Cable type	Cable for one module
Smallest bending radius, fixed installation	50 mm
Smallest bending radius, movable installation	93 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)
Insulation	halogen-free according to DIN 0472 section 815
Outer sheath, material	halogen-free (type 2)
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)
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
Number of positions	14
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

Connection data 2

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Technical data

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	14
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)
Resistance to oil	can withstand occasional splashes (raw cable)
Gasoline resistance	can withstand occasional splashes (raw cable)
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	SIEMENS S7-1500
- suitable I/O card	6ES7521-1BH00-0AB0
	6ES7521-1BH50-0AA0
	6ES7521-1BL00-0AB0
	6ES7522-1BH00-0AB0
	6ES7522-1BH01-0AB0
	6ES7522-1BL00-0AB0
	6ES7522-1BL01-0AB0
	6ES7531-7KF00-0AB0
	6ES7531-7NF00-0AB0
	6ES7531-7NF10-0AB0
	6ES7531-7PF00-0AB0
	6ES7532-5HF00-0AB0
	6ES7532-5HD00-0AB0
	6ES7532-5ND00-0AB0
Controller	SIEMENS S7-300 / ET 200 M

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Supported controller

- suitable I/O card	CPU 312C
	CPU 313C-2DP
	CPU 314C-2PiP
	6ES7321-1BH50-0AA0
	6ES7321-7BH01-0AB0
	6ES7321-1BH02-0AA0
	6ES7321-1BL00-0AA0
	6ES7322-1BH01-0AA0
	6ES7322-8BF00-0AB0
	6ES7322-1BL00-0AA0
	6ES7323-1BH01-0AA0
	6ES7323-1BL00-0AA0
	6ES7331-7KF02-0AB0
	6ES7331-7KB02-0AB0
	6ES7331-7NF00-0AB0
	6ES7331-7PF01-0AB0
	6ES7331-7PF11-0AB0
	6ES7332-5HD01-0AB0
	6ES7332-5HB01-0AB0
	6ES7332-7ND02-0AB0
	6ES7334-0CE01-0AA0
	6ES7334-0KE00-0AB0
	6ES7335-7HG01-0AB0
	CPU 314C-2DP
	6ES7338-4BC01-0AB0
	6ES7350-1AH03-0AE0
	6ES7350-2AH01-0AE0
	6ES7351-1AH01-0AE0
	6ES7352-1AH02-0AE0
	6ES7353-1AH01-0AE0
	6ES7354-1AH01-0AE0
	6ES7355-0VH10-0AE0
	6ES7355-1VH10-0AE0
	6ES7357-4AH01-0AE0
	6ES7321-7BH01-0AB0
	6ES7331-7HF01-0AB0
	6ES7321-1BH10-0AA0

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Supported controller

	6ES7322-1BH10-0AA0
	CPU 313C
	CPU 313C-2PiP
Controller	ALLEN-BRADLEY ControlLogix
- suitable I/O card	1756-IN16
	1756-IA8D
	1756-IA16
	1756-IB16
	1756-IC16
	1756-OB16E
	1756-IR6I
	1756-IT6I
	1756-OF4
	1756-OF6CI
	1756-OF8
	1756-PLS
Controller	HONEYWELL Experion PKS C200
- suitable I/O card	TC-IDX 081
	TC-IDA 161
	TC-IAH 061
	TC-IXR 061
	TC-IXL 061
	TC-OAH 061
	TC-OAV 061
	TC-OAV 081
Controller	SCHNEIDER ELECTRIC Modicon TSX QUANTUM
- suitable I/O card	DDI 353
	DDI 853
	DAI 453
	DDO 353

Color code

Connector 1 = connector 2 (optional) = wire color	IDC/FLK14 (1) = IDC/FLK14 (1) = black
	IDC/FLK14 (2) = IDC/FLK14 (2) = brown
	IDC/FLK14 (3) = IDC/FLK14 (3) = red
	IDC/FLK14 (4) = IDC/FLK14 (4) = orange
	IDC/FLK14 (5) = IDC/FLK14 (5) = yellow
	IDC/FLK14 (6) = IDC/FLK14 (6) = green

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Technical data

Color code

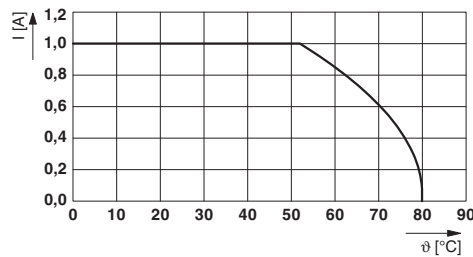
	IDC/FLK14 (7) = IDC/FLK14 (7) = blue
	IDC/FLK14 (8) = IDC/FLK14 (8) = violet
	IDC/FLK14 (9) = IDC/FLK14 (9) = gray
	IDC/FLK14 (10) = IDC/FLK14 (10) = white
	IDC/FLK14 (11) = IDC/FLK14 (11) = white-black
	IDC/FLK14 (12) = IDC/FLK14 (12) = white-brown
	IDC/FLK14 (13) = IDC/FLK14 (13) = white-red
	IDC/FLK14 (14) = IDC/FLK14 (14) = white-orange

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

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Classifications

ETIM

ETIM 2.0	EC000237
ETIM 3.0	EC000237
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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Nominal voltage UN		125 V	
Nominal current IN		1 A	

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