

FLK 14/EZ-DR/HF/1000/KONFEK - Cable



2314037

<https://www.phoenixcontact.com/pc/products/2314037>

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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: 10 m



Commercial data

Item number	2314037
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	CK2133
Catalog page	Page 565 (C-5-2019)
GTIN	4046356091541
Weight per piece (including packing)	526.9 g
Weight per piece (excluding packing)	497 g
Customs tariff number	85444290
Country of origin	DE

Technical data

Product properties

Product type	System cable
Insulation characteristics	
Insulation	Functional insulation
Insulation characteristics	
Insulation	Functional insulation
Overvoltage category	II
Pollution degree	2

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)	≤ 25 V AC
Operating voltage (DC)	≤ 60 V DC
Nominal operating mode	100% operating factor
Current (Per path, 50°C)	≤ 1 A
Current (Per path, 70°C)	≤ 0.6 A
Rated insulation voltage	63 V
Rated surge voltage	0.6 kV

Supported controller SIEMENS S7-1500

Suitable I/O card	6ES7521-1BH00-0AB0
	6ES7521-1BH10-0AA0
	6ES7521-1BH50-0AA0
	6ES7521-1BL00-0AB0
	6ES7522-1BH00-0AB0
	6ES7522-1BH01-0AB0
	6ES7522-1BH10-0AA0
	6ES7522-1BL00-0AB0
	6ES7522-1BL01-0AB0
	6ES7531-7KF00-0AB0
	6ES7531-7LH00-0AB0
	6ES7531-7MH00-0AB0

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	6ES7531-7NF00-0AB0
	6ES7531-7NF10-0AB0
	6ES7531-7PF00-0AB0
	6ES7532-5HF00-0AB0
	6ES7532-5HD00-0AB0
	6ES7532-5ND00-0AB0

Supported controller SIEMENS S7-300 / ET 200 M

Suitable I/O card	CPU 312C
	CPU 313C
	CPU 313C-2DP
	CPU 313C-2PtP
	CPU 314C-2DP
	CPU 314C-2PtP
	6ES7321-1BH02-0AA0
	6ES7321-1BH10-0AA0
	6ES7321-1BH50-0AA0
	6ES7321-1BL00-0AA0
	6ES7321-7BH01-0AB0
	6ES7322-1BH01-0AA0
	6ES7322-1BH10-0AA0
	6ES7322-1BL00-0AA0
	6ES7322-8BF00-0AB0
	6ES7322-8BH01-0AB0
	6ES7323-1BH01-0AA0
	6ES7323-1BL00-0AA0
	6ES7331-7HF01-0AB0
	6ES7331-7KB02-0AB0
	6ES7331-7KF02-0AB0
	6ES7331-7NF00-0AB0
	6ES7331-7PF01-0AB0
	6ES7331-7PF11-0AB0
	6ES7332-5HD01-0AB0
	6ES7332-5HB01-0AB0
	6ES7332-7ND02-0AB0
	6ES7332-8TF01-0AB0
	6ES7334-0CE01-0AA0
	6ES7334-0KE00-0AB0
	6ES7335-7HG01-0AB0
	6ES7336-4GE00-0AB0
	6ES7338-4BC01-0AB0
	6ES7350-1AH03-0AE0
6ES7350-2AH01-0AE0	
6ES7351-1AH01-0AE0	

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	6ES7352-1AH02-0AE0
	6ES7353-1AH01-0AE0
	6ES7354-1AH01-0AE0
	6ES7355-0VH10-0AE0
	6ES7355-1VH10-0AE0
	6ES7357-4AH01-0AE0

Supported 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

Supported 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

Supported controller SCHNEIDER ELECTRIC Modicon TSX QUANTUM

Suitable I/O card	DDI 353
	DDI 853
	DAI 453
	DDO 353

Cable/line

Cable length	10 m
Number of positions	14
Shielded	no
Conductor type	Assembled, halogen-free round cable
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Conductor cross section	14x 0.14 mm ²

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Wire diameter incl. insulation	1 mm ±0.03 mm
External cable diameter	5.8 mm ±0.4 mm
Outer sheath, material	halogen-free (type 2)
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)
Smallest bending radius, fixed installation	50 mm
Smallest bending radius, movable installation	93 mm
Max. bending cycles	5000 (at a radius of ≥ 15x outside diameter)
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

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
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

Connection data

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

Controller level

Connection in acc. with standard	IEC 60603-13
Connection method	IDC/FLK socket strip

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Number of connections	1
Number of positions	14
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

Standards and regulations

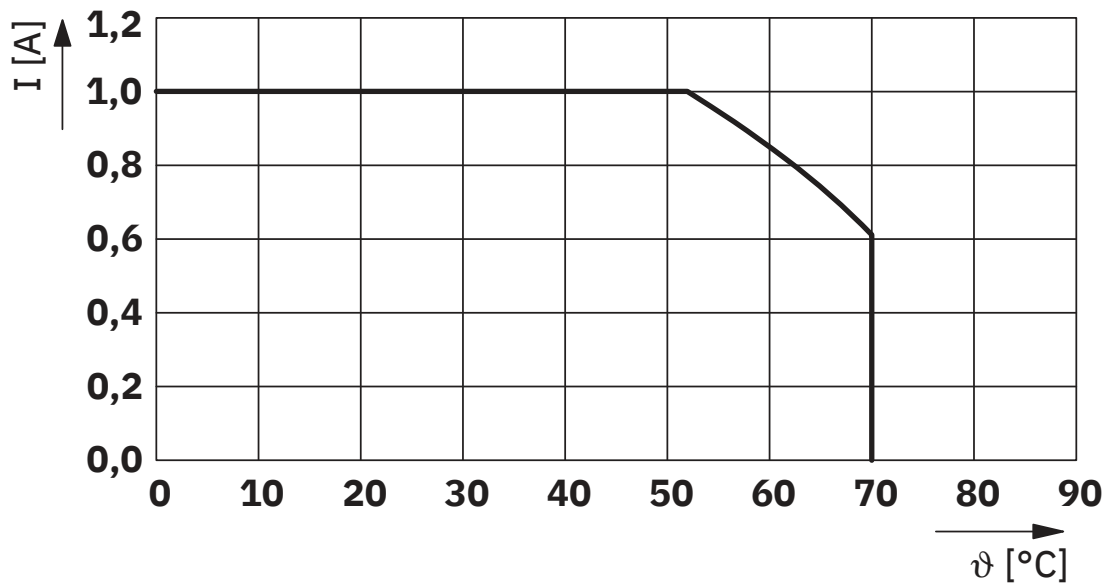
Standards/regulations	DIN EN 50178
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Notes

General	For proper use, the specifications of the installation directive (see Downloads) must be observed.
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Drawings

Diagram



Maximum permissible current per path in uncoiled state

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Classifications

ECLASS

ECLASS-11.0

27242220

ETIM

ETIM 7.0

EC000237

UNSPSC

UNSPSC 21.0

26121620

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Environmental product compliance

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

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Accessories

KME - Cable marker carrier

0807083

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

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