

Cable - CABLE-FCN40/4X14/ 2,0M/S7-IN



2321279

<https://www.phoenixcontact.com/pc/products/2321279>

Please be informed that the data shown in this PDF document is generated from our Online Catalog. Please find the complete data in the user documentation. Our General Terms of Use for Downloads are valid.



Round cable set; controller: Siemens S7-300 (6ES7 321-1BP00-0AA0, plus-reading operation); connection 1: Fujitsu connector (1x 40-position); connection 2: IDC/FLK socket strip (4x 14-position); cable length: 2 m

Your advantages

- Signal transfer of 4 x 8 channels
- Splitting cable: 40-pos. connector to four 14-pos. flat-ribbon cable strips

Commercial Data

Item number	2321279
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Product Key	CK2147
Catalog Page	Page 505 (C-5-2019)
GTIN	4046356332071
Weight per Piece (including packing)	428 g
Weight per Piece (excluding packing)	413.7 g
Customs tariff number	85444290
Country of origin	DE

Technical Data

Product properties

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

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

Max. permissible operating voltage	25 V AC
	60 V DC
Nominal operating mode	100% operating factor
Max. current carrying capacity per path	1 A (50 °C)
	0.6 A (70 °C)
Rated insulation voltage	63 V
Rated surge voltage	0.6 kV

Supported controller SIEMENS S7-300 / ET 200 M

Suitable I/O card	6ES7321-1BP00-0AA0
-------------------	--------------------

Cable / line

Cable length	2 m
--------------	-----

10X0.14 [PVC]

UL AWM Style	2464/1061
Number of positions	10
Shielded	no
Cable type	10X0.14 [PVC]
Conductor type	Round cable set
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Conductor cross section	10x 0.14 mm ²
Wire diameter incl. insulation	1 mm ±0.03 mm

Cable - CABLE-FCN40/4X14/ 2,0M/S7-IN



2321279

<https://www.phoenixcontact.com/pc/products/2321279>

External cable diameter	6.1 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)
Smallest bending radius, fixed installation	52 mm
Smallest bending radius, movable installation	98 mm
Max. bending cycles	5000
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)
Type	Splitting cable for four modules

color code

Fujitsu40 (A1)	IDC/FLK14-1 (1) = black
Fujitsu40 (A2)	IDC/FLK14-1 (2) = brown
Fujitsu40 (A3)	IDC/FLK14-1 (3) = red
Fujitsu40 (A4)	IDC/FLK14-1 (4) = orange
Fujitsu40 (A5)	IDC/FLK14-1 (5) = yellow
Fujitsu40 (A6)	IDC/FLK14-1 (6) = green
Fujitsu40 (A7)	IDC/FLK14-1 (7) = blue
Fujitsu40 (A8)	IDC/FLK14-1 (8) = violet
Fujitsu40 (A9)	IDC/FLK14-1 (10) = gray
Fujitsu40 (A10)	IDC/FLK14-2 (1) = black
Fujitsu40 (A11)	IDC/FLK14-2 (2) = brown
Fujitsu40 (A12)	IDC/FLK14-2 (3) = red
Fujitsu40 (A13)	IDC/FLK14-2 (4) = orange
Fujitsu40 (A14)	IDC/FLK14-2 (5) = yellow
Fujitsu40 (A15)	IDC/FLK14-2 (6) = green
Fujitsu40 (A16)	IDC/FLK14-2 (7) = blue
Fujitsu40 (A17)	IDC/FLK14-2 (8) = violet
Fujitsu40 (A18)	IDC/FLK14-2 (10) = gray
Fujitsu40 (B1)	IDC/FLK14-3 (1) = black
Fujitsu40 (B2)	IDC/FLK14-3 (2) = brown
Fujitsu40 (B3)	IDC/FLK14-3 (3) = red
Fujitsu40 (B4)	IDC/FLK14-3 (4) = orange
Fujitsu40 (B5)	IDC/FLK14-3 (5) = yellow
Fujitsu40 (B6)	IDC/FLK14-3 (6) = green
Fujitsu40 (B7)	IDC/FLK14-3 (7) = blue

Cable - CABLE-FCN40/4X14/ 2,0M/S7-IN



2321279

<https://www.phoenixcontact.com/pc/products/2321279>

Fujitsu40 (B8)	IDC/FLK14-3 (8) = violet
Fujitsu40 (B9)	IDC/FLK14-3 (10) = gray
Fujitsu40 (B10)	IDC/FLK14-4 (1) = black
Fujitsu40 (B11)	IDC/FLK14-4 (2) = brown
Fujitsu40 (B12)	IDC/FLK14-4 (3) = red
Fujitsu40 (B13)	IDC/FLK14-4 (4) = orange
Fujitsu40 (B14)	IDC/FLK14-4 (5) = yellow
Fujitsu40 (B15)	IDC/FLK14-4 (6) = green
Fujitsu40 (B16)	IDC/FLK14-4 (7) = blue
Fujitsu40 (B17)	IDC/FLK14-4 (8) = violet
Fujitsu40 (B18)	IDC/FLK14-4 (10) = gray

Connection data

Field level

Connection in acc. with standard	IEC 60603-13
Connection method	IDC/FLK socket strip
Number of connections	4
Number of positions	14
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

Controller level

Connection method	Fujitsu connector
Number of connections	1
Number of positions	40
Insertion/withdrawal cycles	> 50

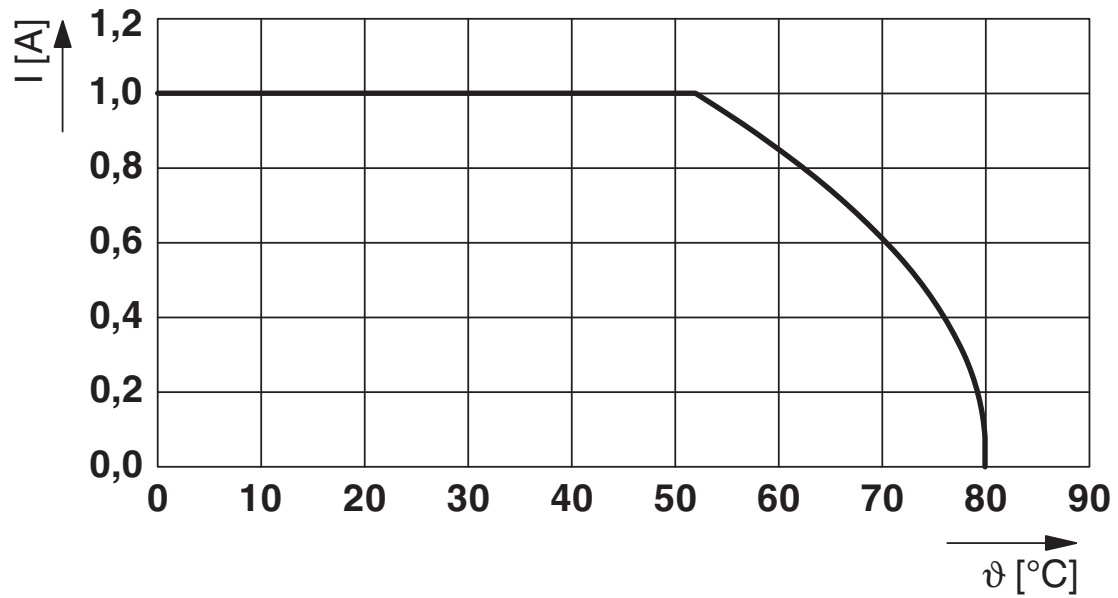
Standards and regulations

Air clearances and creepage distances

Standards/regulations	DIN EN 50178
-----------------------	--------------

Drawings

Diagram



Maximum permissible current per path in uncoiled state

Cable - CABLE-FCN40/4X14/ 2,0M/S7-IN



2321279

<https://www.phoenixcontact.com/pc/products/2321279>

Approvals



EAC

Approval ID: RU*-DE.HB*35.B00385



UL Listed

Approval ID: FILE E 238705

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	125 V	1 A	-	-



cUL Listed

Approval ID: FILE E 238705

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	125 V	1 A	-	-

cULus Listed

Cable - CABLE-FCN40/4X14/ 2,0M/S7-IN



2321279

<https://www.phoenixcontact.com/pc/products/2321279>

Classifications

ECLASS

ECLASS-9.0	27242220
ECLASS-10.0.1	27242220
ECLASS-11.0	27242220

ETIM

ETIM 8.0	EC000237
----------	----------

UNSPSC

UNSPSC 21.0	26121600
-------------	----------

Cable - CABLE-FCN40/4X14/ 2,0M/S7-IN



2321279

<https://www.phoenixcontact.com/pc/products/2321279>

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

Cable - CABLE-FCN40/4X14/ 2,0M/S7-IN

2321279

<https://www.phoenixcontact.com/pc/products/2321279>



Accessories

Cable marker carrier

Cable marker carrier - KME - 0807083

<https://www.phoenixcontact.com/pc/products/0807083>



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

Phoenix Contact 2023 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG

Flachmarktstraße 8

D-32825 Blomberg

+49 (0) 5235-3 00

info@phoenixcontact.com