

CABLE-FCN40/4X14/100/OMR-IN - Cable



2304209

<https://www.phoenixcontact.com/us/products/2304209>

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: OMRON CJ1 (ID 231, ID 261), CQM1 (ID 213, ID 214), CS1, C200H (ID 111, ID 216, ID 217); connection 1: Fujitsu connector (1x 40-position); connection 2: IDC/FLK socket strip (4x 14-position); cable length: 1 m



Your advantages

- Splitting 32 channels into 4 x 8 channels

Commercial data

Item number	2304209
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	DK226O
GTIN	4017918929824
Weight per piece (including packing)	217.1 g
Weight per piece (excluding packing)	217.1 g
Customs tariff number	85444290
Country of origin	DE

CABLE-FCN40/4X14/100/OMR-IN - Cable



2304209

<https://www.phoenixcontact.com/us/products/2304209>

Technical data

Product properties

Product type	System cable
--------------	--------------

Environmental and real-life conditions

Ambient conditions

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

Electrical properties

Operating voltage (AC)	≤ 30 V AC
Operating voltage (DC)	≤ 60 V DC
Nominal operating mode	100% operating factor
Current (Per path, 50°C)	≤ 1 A (Uncoiled, see derating)
Current (Per path, 70°C)	≤ 0.6 A (Uncoiled, see derating)

Supported controller OMRON CQM1

Suitable I/O card	ID112
	ID213
	ID214

Supported controller OMRON CS1/C200H

Suitable I/O card	ID111
	ID216
	ID217

Supported controller OMRON C200H

Suitable I/O card	ID111
	ID216
	ID217

Supported controller OMRON CJ1

Suitable I/O card	ID231
	ID261

Cable/line

Cable length	1 m
10X0.14 [PVC]	
UL AWM Style	2464/1061

CABLE-FCN40/4X14/100/OMR-IN - Cable

2304209

<https://www.phoenixcontact.com/us/products/2304209>



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
External cable diameter	6.10 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
Dynamic load capacity (bending)	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)
Cable type	Splitting cable for four modules

Color code: Single-core wire

black	Fujitsu40 (A1) = IDC/FLK14-1 (1)
brown	Fujitsu40 (A2) = IDC/FLK14-1 (2)
red	Fujitsu40 (A3) = IDC/FLK14-1 (3)
orange	Fujitsu40 (A4) = IDC/FLK14-1 (4)
yellow	Fujitsu40 (A5) = IDC/FLK14-1 (5)
green	Fujitsu40 (A6) = IDC/FLK14-1 (6)
blue	Fujitsu40 (A7) = IDC/FLK14-1 (7)
violet	Fujitsu40 (A8) = IDC/FLK14-1 (8)
gray	Fujitsu40 (A9) = IDC/FLK14-1 (9)
black	Fujitsu40 (A10) = IDC/FLK14-2 (1)
brown	Fujitsu40 (A11) = IDC/FLK14-2 (2)
red	Fujitsu40 (A12) = IDC/FLK14-2 (3)
orange	Fujitsu40 (A13) = IDC/FLK14-2 (4)
yellow	Fujitsu40 (A14) = IDC/FLK14-2 (5)
green	Fujitsu40 (A15) = IDC/FLK14-2 (6)
blue	Fujitsu40 (A16) = IDC/FLK14-2 (7)
violet	Fujitsu40 (A17) = IDC/FLK14-2 (8)

CABLE-FCN40/4X14/100/OMR-IN - Cable



2304209

<https://www.phoenixcontact.com/us/products/2304209>

gray	Fujitsu40 (A18) = IDC/FLK14-2 (9)
black	Fujitsu40 (B1) = IDC/FLK14-3 (1)
brown	Fujitsu40 (B2) = IDC/FLK14-3 (2)
red	Fujitsu40 (B3) = IDC/FLK14-3 (3)
orange	Fujitsu40 (B4) = IDC/FLK14-3 (4)
yellow	Fujitsu40 (B5) = IDC/FLK14-3 (5)
green	Fujitsu40 (B6) = IDC/FLK14-3 (6)
blue	Fujitsu40 (B7) = IDC/FLK14-3 (7)
violet	Fujitsu40 (B8) = IDC/FLK14-3 (8)
gray	Fujitsu40 (B9) = IDC/FLK14-3 (9)
black	Fujitsu40 (B10) = IDC/FLK14-4 (1)
brown	Fujitsu40 (B11) = IDC/FLK14-4 (2)
red	Fujitsu40 (B12) = IDC/FLK14-4 (3)
orange	Fujitsu40 (B13) = IDC/FLK14-4 (4)
yellow	Fujitsu40 (B14) = IDC/FLK14-4 (5)
green	Fujitsu40 (B15) = IDC/FLK14-4 (6)
blue	Fujitsu40 (B16) = IDC/FLK14-4 (7)
violet	Fujitsu40 (B17) = IDC/FLK14-4 (8)
gray	Fujitsu40 (B18) = IDC/FLK14-4 (9)

Connection data

Connection 1

Connection method	Fujitsu connector
Type	FCN 367
Number of connections	1
Number of positions	40
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

Connection 2

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

Notes

Notes on operation	For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.
--------------------	--

CABLE-FCN40/4X14/100/OMR-IN - Cable

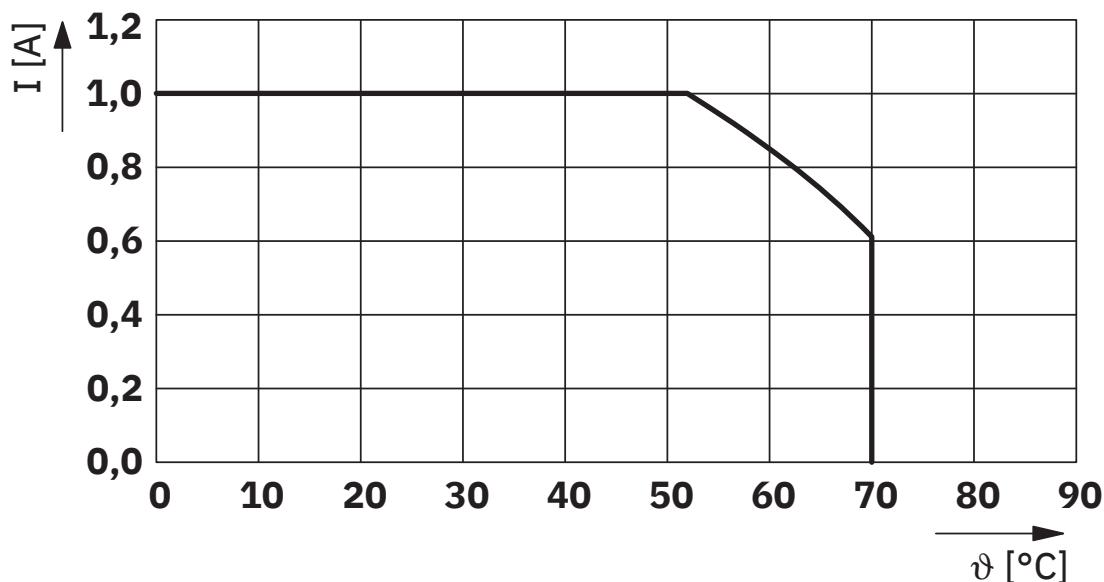


2304209

<https://www.phoenixcontact.com/us/products/2304209>

Drawings

Diagram



Maximum permissible current per path in uncoiled state

CABLE-FCN40/4X14/100/OMR-IN - Cable



2304209

<https://www.phoenixcontact.com/us/products/2304209>

Classifications

ECLASS

ECLASS-13.0

27242220

ETIM

ETIM 9.0

EC000237

UNSPSC

UNSPSC 21.0

26121600

CABLE-FCN40/4X14/100/OMR-IN - Cable

2304209

<https://www.phoenixcontact.com/us/products/2304209>



Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.	

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	7f51eb79-7e6c-4546-85e9-4f20c8c79443

Phoenix Contact 2025 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA

586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com