CABLE-FCN40/4X14/200/OMR-OUT - Cable

2304199

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Round cable set; controller: OMRON CJ1 (OD 231, OD 261), CQM1 (OD 213, OD 112), CS1, C200H (OD 218, OD 219); connection 1: Fujitsu connector (1x 40-position); connection 2: IDC/FLK socket strip (4x 14-position); cable length: 2 m

Your advantages

- Splitting 32 channels into 4 x 8 channels

Commercial data

Item number	2304199
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	DK226O
GTIN	4017918929817
Weight per piece (including packing)	424.8 g
Weight per piece (excluding packing)	396.1 g
Customs tariff number	85444290
Country of origin	DE

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	OD213

Supported controller: OMRON CS1/C200H

Suitable I/O card	OD218
	OD219

Supported controller: OMRON C200H

Suitable I/O card	OD218
	OD219

Supported controller: OMRON CJ1

Suitable I/O card	OD231
	OD261

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 mm²
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 (A714) = IDC/FLK14-1 (7)
violet	Fujitsu40 (A8) = IDC/FLK14-1 (8)
gray	Fujitsu40 (A10) = IDC/FLK14-1 (9)
white	Fujitsu40 (A9) = IDC/FLK14-1 (10)
black	Fujitsu40 (A11) = IDC/FLK14-2 (1)
brown	Fujitsu40 (A12) = IDC/FLK14-2 (2)
red	Fujitsu40 (A13) = IDC/FLK14-2 (3)
orange	Fujitsu40 (A14) = IDC/FLK14-2 (4)
yellow	Fujitsu40 (A15) = IDC/FLK14-2 (5)
green	Fujitsu40 (A16) = IDC/FLK14-2 (6)
blue	Fujitsu40 (A17) = IDC/FLK14-2 (7)
violet	Fujitsu40 (A18) = IDC/FLK14-2 (8)
gray	Fujitsu40 (A20) = IDC/FLK14-2 (9)
white	Fujitsu40 (A19) = IDC/FLK14-2 (10)
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 (B10) = IDC/FLK14-3 (9)
white	Fujitsu40 (B9) = IDC/FLK14-3 (10)
black	Fujitsu40 (B11) = IDC/FLK14-4 (1)
brown	Fujitsu40 (B12) = IDC/FLK14-4 (2)
red	Fujitsu40 (B13) = IDC/FLK14-4 (3)
orange	Fujitsu40 (B14) = IDC/FLK14-4 (4)
yellow	Fujitsu40 (B15) = IDC/FLK14-4 (5)
green	Fujitsu40 (B16) = IDC/FLK14-4 (6)
blue	Fujitsu40 (B17) = IDC/FLK14-4 (7)
violet	Fujitsu40 (B18) = IDC/FLK14-4 (8)
gray	Fujitsu40 (B20) = IDC/FLK14-4 (9)
white	Fujitsu40 (B19) = IDC/FLK14-4 (10)

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

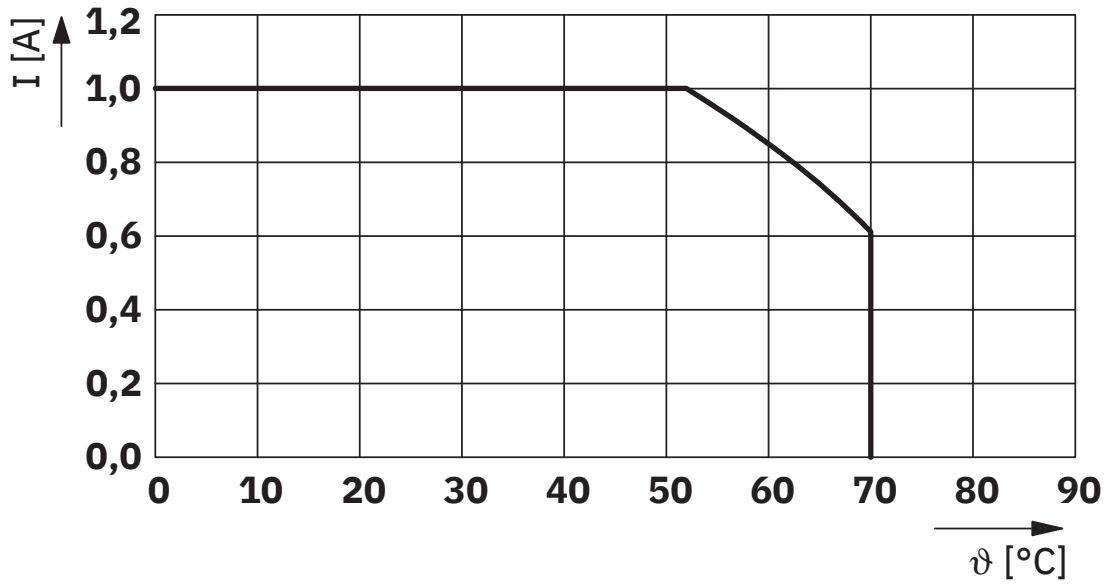
Connection in acc. with standard	IEC 60603-13 (in compliance)
Connection method	IDC/FLK socket strip
Number of connections	4
Number of positions	14
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

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.

Drawings

Diagram



Maximum permissible current per path in uncoiled state

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2304199

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

Classifications

ECLASS

ECLASS-13.0	27242220
ECLASS-15.0	27242220

ETIM

ETIM 10.0	EC000237

UNSPSC

UNSPSC 21.0	26121600

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	d6760007-72c6-4ce6-8fbf-becdc30593b2

EF3.1 Climate Change

CO2e kg	8.916 kg CO2e

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