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

2304199

https://www.phoenixcontact.com/us/products/2304199

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 (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	CK226O
Catalog page	Page 484 (C-5-2019)
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)	-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)	≤ 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
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)
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 (A714)	IDC/FLK14-1 (7) = blue
Fujitsu40 (A8)	IDC/FLK14-1 (8) = violet
Fujitsu40 (A10)	IDC/FLK14-1 (9) = gray
Fujitsu40 (A9)	IDC/FLK14-1 (10) = white
Fujitsu40 (A11)	IDC/FLK14-2 (1) = black
Fujitsu40 (A12)	IDC/FLK14-2 (2) = brown
Fujitsu40 (A13)	IDC/FLK14-2 (3) = red
Fujitsu40 (A14)	IDC/FLK14-2 (4) = orange
Fujitsu40 (A15)	IDC/FLK14-2 (5) = yellow
Fujitsu40 (A16)	IDC/FLK14-2 (6) = green
Fujitsu40 (A17)	IDC/FLK14-2 (7) = blue
Fujitsu40 (A18)	IDC/FLK14-2 (8) = violet
Fujitsu40 (A20)	IDC/FLK14-2 (9) = gray
Fujitsu40 (A19)	IDC/FLK14-2 (10) = white
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
Fujitsu40 (B8)	IDC/FLK14-3 (8) = violet
Fujitsu40 (B10)	IDC/FLK14-3 (9) = gray
Fujitsu40 (B9)	IDC/FLK14-3 (10) = white
Fujitsu40 (B11)	IDC/FLK14-4 (1) = black
Fujitsu40 (B12)	IDC/FLK14-4 (2) = brown
Fujitsu40 (B13)	IDC/FLK14-4 (3) = red
Fujitsu40 (B14)	IDC/FLK14-4 (4) = orange
Fujitsu40 (B15)	IDC/FLK14-4 (5) = yellow
Fujitsu40 (B16)	IDC/FLK14-4 (6) = green
Fujitsu40 (B17)	IDC/FLK14-4 (7) = blue
Fujitsu40 (B18)	IDC/FLK14-4 (8) = violet
Fujitsu40 (B20)	IDC/FLK14-4 (9) = gray
Fujitsu40 (B19)	IDC/FLK14-4 (10) = white
Cable type	Splitting cable for four modules

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

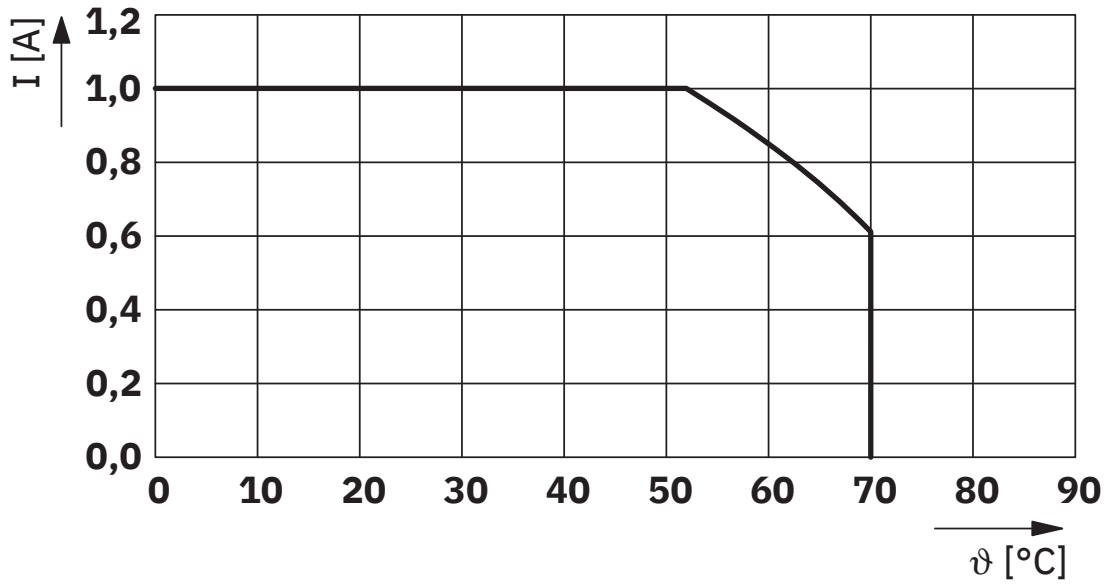
Connection in acc. with standard	based on IEC 60603-13
Connection method	IDC/FLK socket strip
Number of connections	4
Number of positions	14
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

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

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

Classifications

ECLASS

ECLASS-11.0	27242220
ECLASS-12.0	27242220
ECLASS-13.0	27242220

ETIM

ETIM 9.0	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

Accessories

KME - Cable marker carrier

0807083

https://www.phoenixcontact.com/us/products/0807083

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

Phoenix Contact 2024 © - 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