CABLE-FCN40/4X14/ 2,0M/M340 - Cable

2321732

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Round cable set; controller: MODICON® M340 (BMX DDI 3202K, BMX DDI 6402K, BMX DD0 3202K, BMX DD0 6402K, BMX DDM 3202K); 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	2321732
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C421
Product key	DK226F
GTIN	4046356412209
Weight per piece (including packing)	426.5 g
Weight per piece (excluding packing)	409.2 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: SCHNEIDER ELECTRIC Modicon M340

Suitable I/O card	BMX DDI 3202K
	BMX DDI 6402K
	BMX DD0 3202K
	BMX DD0 6402K
	BMX DDM 3202K

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	X1 (B20) = X2 (1)
brown	X1 (A20) = X2 (2)
red	X1 (B19) = X2 (3)
orange	X1 (A19) = X2 (4)
yellow	X1 (B18) = X2 (5)
green	X1 (A18) = X2 (6)
blue	X1 (B17) = X2 (7)
violet	X1 (A17) = X2 (8)
gray	X1 (B12) = X2 (9)
white	X1 (A12) = X2 (10)
black	X1 (B16) = X3 (1)
brown	X1 (A16) = X3 (2)
red	X1 (B15) = X3 (3)
orange	X1 (A15) = X3 (4)
yellow	X1 (B14) = X3 (5)
green	X1 (A14) = X3 (6)
blue	X1 (B13) = X3 (7)
violet	X1 (A13) = X3 (8)
gray	X1 (B11) = X3 (9)
white	X1 (A11) = X3 (10)
black	X1 (B10) = X4 (1)
brown	X1 (A10) = X4 (2)
red	X1 (B9) = X4 (3)
orange	X1 (A9) = X4 (4)
yellow	X1 (B8) = X4 (5)
green	X1 (A8) = X4 (6)
blue	X1 (B7) = X4 (7)
violet	X1 (A7) = X4 (8)

gray	X1 (B2) = X4 (9)
white	X1 (A2) = X4 (10)
black	X1 (B6) = X5 (1)
brown	X1 (A6) = X5 (2)
red	X1 (B5) = X5 (3)
orange	X1 (A5) = X5 (4)
yellow	X1 (B4) = X5 (5)
green	X1 (A4) = X5 (6)
blue	X1 (B3) = X5 (7)
violet	X1 (A3) = X5 (8)
gray	X1 (B1) = X5 (9)
white	X1 (A1) = X5 (10)

Connection data

X1

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

X2 ... X5

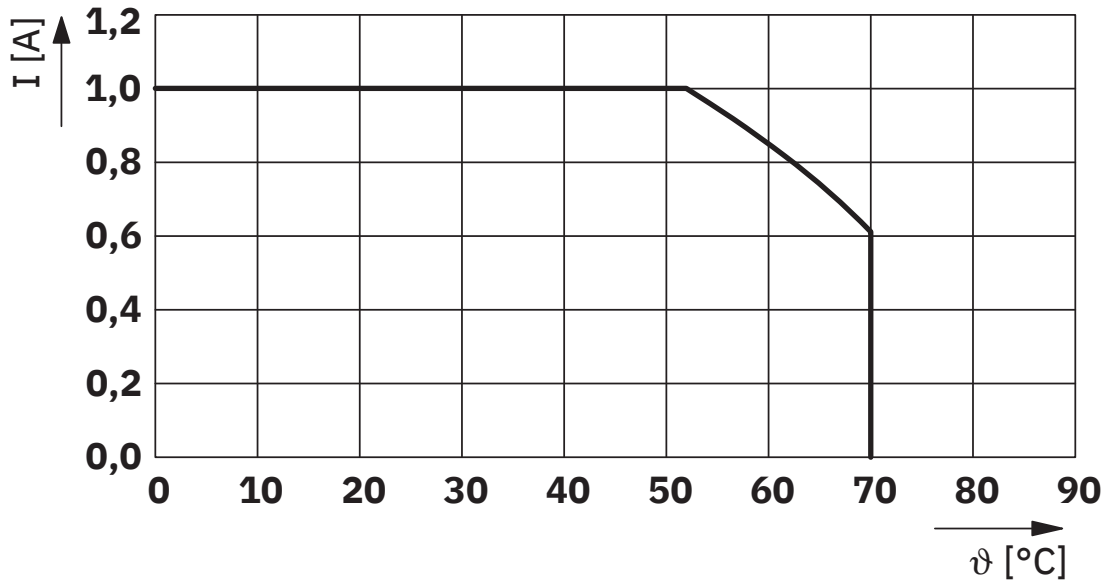
Connection in acc. with standard	IEC 60603-13 (in compliance)
Connection method	IDC/FLK socket strip
Number of connections	4
Number of positions	14
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

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/2321732

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	b8539243-5c91-4e43-9473-be1cd2dc40d8

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