

CABLE-FCN40/...M/M340

System cables for Telemecanique Modicon® M340

INTERFACE

Data sheet
103912_en_00

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1 Description

These system cables are plugged into Modicon® M340 I/O boards, which are connected via Fujitsu connectors.

Two connection options are available:

CABLE-FCN40/1X50/...M/M340

- Signal transfer of 32 channels

CABLE-FCN40/4X14/...M/M340

- Splitting of 32 channels into 4 x 8 channels

The following I/O boards can be connected:

- BMX DDI 3202K
- BMX DDI 6402K
- BMX DD0 3202K
- BMX DD0 6402K
- BMX DDM 3202K



Make sure you always use the latest documentation.
It can be downloaded at www.phoenixcontact.net/download.



This data sheet is valid for all products listed on the following page:

2 Ordering data

System cables

| Description | Cable length | Type | Order No. | Pcs./Pkt. |
|--|--|-----------------------------|----------------------------|-----------|
| Assembled round cable , 40-pos. Fujitsu strip on 50-pos. FLK strip (for connecting 32 channels to MODICON® M340 I/O boards) | 0.5 m | CABLE-FCN40/1X50/0,5M/M340 | 2321635 | 1 |
| | 1.0 m | CABLE-FCN40/1X50/1,0M/M340 | 2321648 | 1 |
| | 2.0 m | CABLE-FCN40/1X50/2,0M/M340 | 2321651 | 1 |
| | 3.0 m | CABLE-FCN40/1X50/3,0M/M340 | 2321664 | 1 |
| | 4.0 m | CABLE-FCN40/1X50/4,0M/M340 | 2321677 | 1 |
| | 6.0 m | CABLE-FCN40/1X50/6,0M/M340 | 2321680 | 1 |
| | 8.0 m | CABLE-FCN40/1X50/8,0M/M340 | 2321693 | 1 |
| | 10.0 m | CABLE-FCN40/1X50/10,0M/M340 | 2321703 | 1 |
| | Assembled round cable , 40-pos. Fujitsu strip on four 14-pos. FLK strips (for connecting 32 channels to MODICON® M340 I/O boards) | 0.5 m | CABLE-FCN40/4X14/0,5M/M340 | 2321716 |
| 1.0 m | | CABLE-FCN40/4X14/1,0M/M340 | 2321729 | 1 |
| 2.0 m | | CABLE-FCN40/4X14/2,0M/M340 | 2321732 | 1 |
| 3.0 m | | CABLE-FCN40/4X14/3,0M/M340 | 2321745 | 1 |
| 4.0 m | | CABLE-FCN40/4X14/4,0M/M340 | 2321758 | 1 |
| 6.0 m | | CABLE-FCN40/4X14/6,0M/M340 | 2321761 | 1 |
| 8.0 m | | CABLE-FCN40/4X14/8,0M/M340 | 2321774 | 1 |
| 10.0 m | | CABLE-FCN40/4X14/10,0M/M340 | 2321787 | 1 |

3 Technical data

| General data | CABLE-FCN40/1X50/.../M340 | CABLE-FCN40/4X14/.../M340 |
|--|---|---|
| Nominal voltage UN | < 50 V AC/60 V DC | |
| Maximum permissible current carrying capacity per path | 1 A | |
| Maximum conductor resistance | 0.16 Ω/m | |
| Ambient temperature range | | |
| Operation | -20°C ... +50°C | |
| Storage/transport | -20°C ... +70°C | |
| Conductor cross-section | 0.14 mm ² (26 AWG) | |
| Conductor structure | 7 litz wires, Cu tin-plated | |
| Outside diameter | 10 mm | 6.3 mm |
| Assembly | IDC IEC 60352-4/DIN EN 60352-4 | |
| Connector, control side | 40-pos. Fujitsu FCN connection | |
| Connector, module side | 50-pos. flat-ribbon cable connection | 4 x 14-pos. flat-ribbon cable connection |

4 Color code and pin assignment

CABLE-FCN40/1X50/...M/M340

| Connector, control side | Connector, module side | Conductor color |
|----------------------------|---------------------------|--------------------|
| A1 | 47(-) | Black |
| B1 | 37(+) | Brown |
| A2 | 35(-) | Red |
| B2 | 25(+) | Orange |
| A3 | 46 | Yellow |
| B3 | 45 | Green |
| A4 | 44 | Blue |
| B4 | 43 | Violet |
| A5 | 42 | Gray |
| B5 | 41 | White |
| A6 | 40 | White-black |
| B6 | 39 | White-brown |
| A7 | 34 | White-red |
| B7 | 33 | White-orange |
| A8 | 32 | White-yellow |
| B8 | 31 | White-green |
| A9 | 30 | White-blue |
| B9 | 29 | White-violet |
| A10 | 28 | White-gray |
| B10 | 27 | Brown-black |
| A11 | 23(-) | Brown-red |
| B11 | 13(+) | Brown-orange |
| A12 | 11(-) | Brown-yellow |
| B12 | 1(+) | Brown-green |
| A13 | 22 | Brown-blue |
| B13 | 21 | Brown-violet |
| A14 | 20 | Brown-gray |
| B14 | 19 | Brown-white |
| A15 | 18 | Green-black |
| B15 | 17 | Green-brown |
| A16 | 16 | Green-red |
| B16 | 15 | Green-orange |
| A17 | 10 | Green-blue |
| B17 | 9 | Green-violet |
| A18 | 8 | Green-gray |
| B18 | 7 | Green-white |
| A19 | 6 | Yellow-black |
| B19 | 5 | Yellow-brown |
| A20 | 4 | Yellow-red |
| B20 | 3 | Yellow-orange |

CABLE-FCN40/4X14/...M/M340

| | Connector, control side | Connector, module side | Conductor color | |
|--------------------------|----------------------------|---------------------------|--------------------|-------|
| Connection 4 (byte 3) | A1 | 10(-) | White | |
| | B1 | 9(+) | Gray | |
| | A3 | 8 | Violet | |
| | B3 | 7 | Blue | |
| | A4 | 6 | Green | |
| | B4 | 5 | Yellow | |
| Connection 3 (byte 2) | A5 | 4 | Orange | |
| | B5 | 3 | Red | |
| | A6 | 2 | Brown | |
| | B6 | 1 | Black | |
| | Connection 3 (byte 1) | A2 | 10(-) | White |
| | | B2 | 9(+) | Gray |
| A7 | | 8 | Violet | |
| B7 | | 7 | Blue | |
| A8 | | 6 | Green | |
| B8 | | 5 | Yellow | |
| Connection 1 (byte 0) | A9 | 4 | Orange | |
| | B9 | 3 | Red | |
| | A10 | 2 | Brown | |
| | B10 | 1 | Black | |
| | Connection 3 (byte 1) | A11 | 10(-) | White |
| | | B11 | 9(+) | Gray |
| A13 | | 8 | Violet | |
| B13 | | 7 | Blue | |
| A14 | | 6 | Green | |
| B14 | | 5 | Yellow | |
| Connection 1 (byte 0) | A15 | 4 | Orange | |
| | B15 | 3 | Red | |
| | A16 | 2 | Brown | |
| | B16 | 1 | Black | |
| | Connection 1 (byte 0) | A12 | 10(-) | White |
| | | B12 | 9(+) | Gray |
| A17 | | 8 | Violet | |
| B17 | | 7 | Blue | |
| A18 | | 6 | Green | |
| B18 | | 5 | Yellow | |
| Connection 1 (byte 0) | A19 | 4 | Orange | |
| | B19 | 3 | Red | |
| | A20 | 2 | Brown | |
| | B20 | 1 | Black | |

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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