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Cable - CABLE-FCN40/1X50/ 1,0M/IM/MEL - 2903469

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Assembled round cable for connecting 32 channels in the Mitsubishi Melsec L and Melsec Q. The system cable has one 40-pos. Fujitsu strip and one 50-pos. FLK strip, length 1 m



Key Commercial Data

| | |
|--------------|---|
| Packing unit | 1 STK |
| GTIN |  4 046356 742689 |

Technical data

General

| | |
|---|----------------------|
| Nominal voltage U_N | < 50 V AC |
| | 60 V DC |
| Max. current carrying capacity per path | 1 A |
| Max. total current of all branches | 2 A |
| Max. conductor resistance | 0.16 Ω /m |
| Length of cable | 1 m |
| Single wire, cross section | 0.14 mm ² |
| Single wire, cross section [AWG] | 26 |
| Conductor construction: Number of litz wires: | 7 |
| Single wire, material | Cu tin-plated |
| External diameter | 10 mm |
| Shielding | no |
| Outer sheath, material | PVC |
| External sheath, color | RAL7035 |

Environmental conditions

| | |
|---|------------------------------------|
| Ambient temperature (operation) | -20 °C ... 50 °C |
| Ambient temperature (storage/transport) | -20 °C ... 70 °C |
| Flame resistance | IEC 60332-1 |
| | DIN VDE 0482 Part 332-1 |
| Resistance to oil | DIN VDE 0472 Part 803, test type B |
| Gasoline resistance | Against occasional splashes |

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Technical data

Connector, module side

| | |
|-----------------------|--------------------------------|
| Connection method | IDC/FLK socket strip (2.54 mm) |
| Number of connections | 1 |
| Number of positions | 50 |

Connector, controller side

| | |
|-----------------------|-------------------|
| Connection method | Fujitsu connector |
| Number of connections | 1 |
| Number of positions | 40 |

Supported controller

| | |
|---------------------|---------------------------|
| Controller | MITSUBISHI MELSEC Q |
| - suitable I/O card | QX41 |
| | QX41-S1 |
| | QX42 |
| | QX42-S1 |
| | QX71 |
| | QX72 |
| | QY41P |
| | QY42P |
| | QY71 |
| | QH42P |
| | QY82P |
| Controller | MITSUBISHI MELSEC L |
| - suitable I/O card | LX41C4 |
| | LX42C4 |
| | LY41NT1P |
| | LY42NT1P |
| | LY41PT1P |
| | LY42PT1P |
| Controller | HONEYWELL MasterLogic 200 |
| - suitable I/O card | 2MLQ-TR4A |
| | 2MLQ-TR8A |
| | 2MLQ-TR4B |
| | 2MLQ-TR8B |

Standards and Regulations

| | |
|-------------------|------------------------------------|
| Resistance to oil | DIN VDE 0472 Part 803, test type B |
| Flame resistance | IEC 60332-1 |
| | DIN VDE 0482 Part 332-1 |

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Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27060306 |
| eCl@ss 4.1 | 27060306 |
| eCl@ss 5.0 | 27061801 |
| eCl@ss 5.1 | 27061801 |
| eCl@ss 6.0 | 27061801 |
| eCl@ss 7.0 | 27061801 |
| eCl@ss 8.0 | 27249205 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC000237 |
| ETIM 3.0 | EC000237 |
| ETIM 4.0 | EC000237 |
| ETIM 5.0 | EC000237 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 26121620 |
| UNSPSC 7.0901 | 26121620 |
| UNSPSC 11 | 26121620 |
| UNSPSC 12.01 | 26121620 |
| UNSPSC 13.2 | 26121620 |

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approvals submitted

Approval details

| |
|-----|
| EAC |
|-----|

Drawings

Cable - CABLE-FCN40/1X50/ 1,0M/IM/MEL - 2903469

Connection diagram

| Fujitsu FCN 40 | FLK 50 | Fujitsu FCN 40 | FLK 50 |
|-------------------|--------|-------------------|---------------------------------|
| PIN A1 | PIN 11 | PIN B16 | PIN 7 |
| PIN B1 | PIN 1 | PIN A17 | PIN 30 |
| PIN A2 | PIN 48 | PIN B17 | PIN 6 |
| PIN B2 | PIN 38 | PIN A18 | PIN 29 |
| PIN A3 | | PIN B18 | PIN 5 |
| PIN B3 | | PIN A19 | PIN 28 |
| PIN A4 | | PIN B19 | PIN 4 |
| PIN B4 | | PIN A20 | PIN 27 |
| PIN A5 | PIN 46 | PIN B20 | PIN 3 |
| PIN B5 | PIN 22 | | PIN 2 |
| PIN A6 | PIN 45 | | PIN 13 <input type="checkbox"/> |
| PIN B6 | PIN 21 | | PIN 12 <input type="checkbox"/> |
| PIN A7 | PIN 44 | | PIN 23 <input type="checkbox"/> |
| PIN B7 | PIN 20 | | PIN 14 <input type="checkbox"/> |
| PIN A8 | PIN 43 | | PIN 25 <input type="checkbox"/> |
| PIN B8 | PIN 19 | | PIN 24 <input type="checkbox"/> |
| PIN A9 | PIN 42 | | PIN 35 <input type="checkbox"/> |
| PIN B9 | PIN 18 | | PIN 26 <input type="checkbox"/> |
| PIN A10 | PIN 41 | | PIN 37 <input type="checkbox"/> |
| PIN B10 | PIN 17 | | PIN 36 <input type="checkbox"/> |
| PIN A11 | PIN 40 | | PIN 47 <input type="checkbox"/> |
| PIN B11 | PIN 16 | | |
| PIN A12 | PIN 39 | | |
| PIN B12 | PIN 15 | | |
| PIN A13 | PIN 34 | | |
| PIN B13 | PIN 10 | | |
| PIN A14 | PIN 33 | | |
| PIN B14 | PIN 9 | | |
| PIN A15 | PIN 32 | | |
| PIN B15 | PIN 8 | | |
| PIN A16 | PIN 31 | | |

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