

## Cable - FLK 50/EZ-DR/ 250/KONFEK - 2289104

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Round cable set, with two 50-pos. socket strips (1:1 connection), for connecting 32 channels, cable length: 2.5 m

### Key Commercial Data

|              |                     |
|--------------|---------------------|
| Packing unit | 1 STK               |
| GTIN         | <br>4 017918 057497 |

### Technical data

#### General

|   |   |
|---|---|
| Nominal voltage $U_N$                         | < 50 V AC   |
|   | 60 V DC   |
| Max. current carrying capacity per path       | 1 A   |
| Max. conductor resistance                     | 0.16 $\Omega$ /m                                    |
| Length of cable                               | 2.5 m   |
| Single wire, cross section                    | 0.14 mm <sup>2</sup>                                |
| Single wire, cross section [AWG]              | 26  |
| Conductor construction: Number of litz wires: | 7   |
| Single wire, material                         | Cu tin-plated                                       |
| External diameter                             | 10.3 mm   |
| Cable, preassembly                            | Insulation displacement, IEC 60352-4/DIN EN 60352-4 |
| Shielding                                     | no  |
| Outer sheath, material                        | PVC   |
| External sheath, color                        | gray RAL 7035                                       |

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

### Supported controller

|                     |                           |
|---------------------|---------------------------|
| Controller          | SIEMENS S7-300 / ET 200 M |
| - suitable I/O card | CPU 313C                  |
|                     | CPU 313C-2DP              |
|                     | CPU 313C-2PtP             |
|                     | CPU 314C-2DP              |
|                     | CPU 314C-2PtP             |
|                     | 6ES7 321-1BL00-0AA0       |
|                     | 6ES7 322-1BL00-0AA0       |
|                     | 6ES7 322-8BH01-0AB0       |
|                     | 6ES7 323-1BL00-0AA0       |
|                     | 6ES7 326-1BK02-0AB0       |
|                     | 6ES7 326-1RF00-0AB0       |
|                     | 6ES7 326-2BF01-0AB0       |
|                     | 6ES7 326-2BF10-0AB0       |
|                     | 6ES7 331-1KF01-0AB0       |
|                     | 6ES7 331-7NF00-0AB0       |
|                     | 6ES7 331-7NF10-0AB0       |
|                     | 6ES7 331-7PF01-0AB0       |
|                     | 6ES7 331-7PF11-0AB0       |
|                     | 6ES7 332-5HF00-0AB0       |
|                     | 6ES7 350-2AH01-0AE0       |
|                     | 6ES7 357-4AH01-0AE0       |
| Controller          | SIEMENS S7-400            |
| - suitable I/O card | 6ES7 421-1BL01-0AA0       |
|                     | 6ES7 421-7BH01-0AB0       |
|                     | 6ES7 421-7DH00-0AA0       |
|                     | 6ES7 422-1BL00-0AA0       |
|                     | 6ES7 422-7BL00-0AB0       |
|                     | 6ES7 431-0HH0-0AB0        |
|                     | 6ES7 431-1KF00-0AB0       |
|                     | 6ES7 431-1KF10-0AB0       |
|                     | 6ES7 431-1KF20-0AB0       |

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### Technical data

#### Supported controller

|                     |  |
|---------------------|--|
|                     | 6ES7 431-7KF00-0AB0                    |
|                     | 6ES7 431-7KF10-0AB0                    |
|                     | 6ES7 431-7QH00-0AB0                    |
|                     | 6ES7 432-1HF00-0AB0                    |
| Controller          | Schneider Electric MODICON TSX QUANTUM |
| - suitable I/O card | DDI 353                                |
|                     | DDI 841                                |
|                     | DDI 853                                |
|                     | DAI 340                                |
|                     | DAI 353                                |
|                     | DAI 440                                |
|                     | DAI 453                                |
|                     | DDO 353                                |
|                     | DDM 390                                |
|                     | ACI 030                                |
|                     | ACI 040                                |
|                     | ATI 030                                |
|                     | ARI 030                                |
|                     | AVI 030                                |
|                     | ACO 020                                |
|                     | ACO 130                                |
|                     | AVO 020                                |
|                     | EHC 105                                |
|                     | EHC 202                                |
| Controller          | ALLEN-BRADLEY ControlLogix             |
| - suitable I/O card | 1756-IA16I                             |
|                     | 1756-IB16D                             |
|                     | 1756-IB16I                             |
|                     | 1756-IB32                              |
|                     | 1756-IH16I                             |
|                     | 1756-OB32                              |
|                     | 1756-IF8                               |
|                     | 1756-IF16                              |
|                     | 1756-HSC                               |
|                     | 1756-M02AE                             |
| Controller          | ALLEN-BRADLEY PLC 5                    |
| - suitable I/O card | 1771 IBN                               |
|                     | 1771 OBN                               |
| Controller          | HONEYWELL Experion PKS C200            |
| - suitable I/O card | TC-IDK 161                             |

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## Technical data

### Supported controller

|                     |                       |
|---------------------|-----------------------|
|                     | TC-IDX 161            |
|                     | TC-IDJ 161            |
|                     | TC-IDD 321            |
|                     | TC-ODD 321            |
|                     | TC-IAH 161            |
| Controller          | ALLEN-BRADLEY SLC 500 |
| - suitable I/O card | 1746 OA16             |
|                     | 1746 OW16             |

### Standards and Regulations

|                                  |                                    |
|----------------------------------|------------------------------------|
| Resistance to oil                | DIN VDE 0472 Part 803, test type B |
| Connection in acc. with standard | CUL                                |
| Flame resistance                 | IEC 60332-1                        |
|                                  | DIN VDE 0482 Part 332-1            |

## 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

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## Approvals

Approvals

UL Recognized / cUL Recognized / EAC / EAC / cULus Recognized

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Ex Approvals


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Approvals submitted

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## Approval details

UL Recognized 

cUL Recognized 

EAC

EAC

cULus Recognized 

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