

## Cable - FLK 14/EZ-DR/HF/ 600/KONFEK - 2306003

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Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 6 m



### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 1 pc                                                                                                    |
| GTIN         | <br>4 046356 091565 |
| GTIN         | 4046356091565                                                                                           |

### Technical data

#### Ambient conditions

|                                         |                                          |
|-----------------------------------------|------------------------------------------|
| Ambient temperature (operation)         | -40 °C ... 70 °C (fixed installation)    |
|                                         | -10 °C ... 70 °C (flexible installation) |
| Ambient temperature (storage/transport) | -40 °C ... 80 °C                         |
| Maximum altitude                        | ≤ 2000 m                                 |
| Degree of protection                    | IP00                                     |
|                                         | ≥ IP54 (Installation location)           |

#### General

|                                         |                      |
|-----------------------------------------|----------------------|
| Max. permissible operating voltage      | 25 V AC              |
|                                         | 60 V DC              |
| Max. current carrying capacity per path | 1 A (50 °C)          |
|                                         | 0.6 A (70 °C)        |
| Length of cable                         | 6 m                  |
| External cable diameter                 | 5.8 mm ±0.4 mm       |
| Single wire, cross section              | 0.14 mm <sup>2</sup> |
| Single wire, cross section [AWG]        | 26                   |
| Single wire, number of litz wires       | 7                    |
| Single wire, material                   | Cu tin-plated        |

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## Technical data

### General

|                                               |                                                     |
|-----------------------------------------------|-----------------------------------------------------|
| Wire diameter incl. insulation                | 1 mm $\pm$ 0.03 mm                                  |
| Smallest bending radius, fixed installation   | 50 mm                                               |
| Smallest bending radius, movable installation | 93 mm                                               |
| Bending cycles                                | 5000 (at a radius of $\geq$ 15x outside diameter)   |
| Cable, preassembly                            | Insulation displacement, IEC 60352-4/DIN EN 60352-4 |
| Shielding                                     | no                                                  |
| Cable insulation resistance                   | $\geq$ 20 M $\Omega$ /km (20 °C)                    |
| Cable resistance                              | $\leq$ 145 $\Omega$ /km (20 °C)                     |
| Outer sheath, material                        | halogen-free (type 2)                               |
| External sheath, color                        | gray                                                |
| Nominal operating mode                        | 100% operating factor                               |

### Connection data

|                                  |                      |
|----------------------------------|----------------------|
| Connection name                  | Field level          |
| Connection in acc. with standard | IEC 60603-13         |
| Connection method                | IDC/FLK socket strip |
| Number of connections            | 1                    |
| Number of positions              | 14                   |
| Insertion/withdrawal cycles      | > 50                 |
| Pitch                            | 2.54 mm              |

### Connection data 2

|                                  |                      |
|----------------------------------|----------------------|
| Connection name                  | Controller level     |
| Connection in acc. with standard | IEC 60603-13         |
| Connection method                | IDC/FLK socket strip |
| Number of connections            | 1                    |
| Number of positions              | 14                   |
| Insertion/withdrawal cycles      | > 50                 |
| Pitch                            | 2.54 mm              |

### Standards and Regulations

|                          |                             |
|--------------------------|-----------------------------|
| Flame resistance         | IEC 60332-1-2               |
|                          | VDE 0842, Part 332-1-2      |
|                          | IEC 60332-3-22              |
| Resistance to oil        | against occasional splashes |
| Gasoline resistance      | against occasional splashes |
| Standards/regulations    | DIN EN 50178                |
| Rated insulation voltage | 63 V                        |
| Rated surge voltage      | 0.6 kV                      |
| Insulation               | Functional insulation       |
| Pollution degree         | 2                           |
| Overvoltage category     | II                          |

## Cable - FLK 14/EZ-DR/HF/ 600/KONFEK - 2306003

### Technical data

#### Supported controller

|                     |                           |
|---------------------|---------------------------|
| Controller          | SIEMENS S7-1500           |
| - suitable I/O card | 6ES7 521-1BH00-0AB0       |
|                     | 6ES7 521-1BH50-0AA0       |
|                     | 6ES7 521-1BL00-0AB0       |
|                     | 6ES7 522-1BH00-0AB0       |
|                     | 6ES7 522-1BH01-0AB0       |
|                     | 6ES7 522-1BL00-0AB0       |
|                     | 6ES7 522-1BL01-0AB0       |
|                     | 6ES7 531-7KF00-0AB0       |
|                     | 6ES7 531-7NF00-0AB0       |
|                     | 6ES7 531-7NF10-0AB0       |
|                     | 6ES7 531-7PF00-0AB0       |
|                     | 6ES7 532-5HF00-0AB0       |
|                     | 6ES7 532-5HD00-0AB0       |
|                     | 6ES7 532-5ND00-0AB0       |
| Controller          | SIEMENS S7-300 / ET 200 M |
| - suitable I/O card | CPU 312C                  |
|                     | CPU 313C-2DP              |
|                     | CPU 314C-2PtP             |
|                     | 6ES7 321-1BH50-0AA0       |
|                     | 6ES7 321-7BH01-0AB0       |
|                     | 6ES7 321-1BH02-0AA0       |
|                     | 6ES7 321-1BL00-0AA0       |
|                     | 6ES7 322-1BH01-0AA0       |
|                     | 6ES7 322-8BF00-0AB0       |
|                     | 6ES7 322-1BL00-0AA0       |
|                     | 6ES7 323-1BH01-0AA0       |
|                     | 6ES7 323-1BL00-0AA0       |
|                     | 6ES7 331-7KF02-0AB0       |
|                     | 6ES7 331-7KB02-0AB0       |
|                     | 6ES7 331-7NF00-0AB0       |
|                     | 6ES7 331-7PF01-0AB0       |
|                     | 6ES7 331-7PF11-0AB0       |
|                     | 6ES7 332-5HD01-0AB0       |
|                     | 6ES7 332-5HB01-0AB0       |
|                     | 6ES7 332-7ND02-0AB0       |
|                     | 6ES7 334-0CE01-0AA0       |
|                     | 6ES7 334-0KE00-0AB0       |
|                     | 6ES7 335-7HG01-0AB0       |
|                     | CPU 314C-2DP              |

## Cable - FLK 14/EZ-DR/HF/ 600/KONFEK - 2306003

### Technical data

#### Supported controller

|                     |                                        |
|---------------------|----------------------------------------|
|                     | 6ES7 338-4BC01-0AB0                    |
|                     | 6ES7 350-1AH03-0AE0                    |
|                     | 6ES7 350-2AH01-0AE0                    |
|                     | 6ES7 351-1AH01-0AE0                    |
|                     | 6ES7 352-1AH02-0AE0                    |
|                     | 6ES7 353-1AH01-0AE0                    |
|                     | 6ES7 354-1AH01-0AE0                    |
|                     | 6ES7 355-0VH10-0AE0                    |
|                     | 6ES7 355-1VH10-0AE0                    |
|                     | 6ES7 357-4AH01-0AE0                    |
|                     | 6ES7 321-7BH01-0AB0                    |
|                     | 6ES7 331-7HF01-0AB0                    |
|                     | 6ES7 321-1BH10-0AA0                    |
|                     | 6ES7 322-1BH10-0AA0                    |
|                     | CPU 313C                               |
|                     | CPU 313C-2PtP                          |
| Controller          | ALLEN-BRADLEY ControlLogix             |
| - suitable I/O card | 1756-IN16                              |
|                     | 1756-IA8D                              |
|                     | 1756-IA16                              |
|                     | 1756-IB16                              |
|                     | 1756-IC16                              |
|                     | 1756-OB16E                             |
|                     | 1756-IR6I                              |
|                     | 1756-IT6I                              |
|                     | 1756-OF4                               |
|                     | 1756-OF6CI                             |
|                     | 1756-OF8                               |
|                     | 1756-PLS                               |
| Controller          | HONEYWELL Experion PKS C200            |
| - suitable I/O card | TC-IDX 081                             |
|                     | TC-IDA 161                             |
|                     | TC-IAH 061                             |
|                     | TC-IXR 061                             |
|                     | TC-IXL 061                             |
|                     | TC-OAH 061                             |
|                     | TC-OAV 061                             |
|                     | TC-OAV 081                             |
| Controller          | Schneider Electric Modicon TSX QUANTUM |
| - suitable I/O card | DDI 353                                |

## Cable - FLK 14/EZ-DR/HF/ 600/KONFEK - 2306003

### Technical data

#### Supported controller

|  |         |
|--|---------|
|  | DDI 853 |
|  | DAI 453 |
|  | DDO 353 |

#### Color code

|                                                   |                                                |
|---------------------------------------------------|------------------------------------------------|
| Connector 1 = connector 2 (optional) = wire color | IDC/FLK14 (1) = IDC/FLK14 (1) = black          |
|                                                   | IDC/FLK14 (2) = IDC/FLK14 (2) = brown          |
|                                                   | IDC/FLK14 (3) = IDC/FLK14 (3) = red            |
|                                                   | IDC/FLK14 (4) = IDC/FLK14 (4) = orange         |
|                                                   | IDC/FLK14 (5) = IDC/FLK14 (5) = yellow         |
|                                                   | IDC/FLK14 (6) = IDC/FLK14 (6) = green          |
|                                                   | IDC/FLK14 (7) = IDC/FLK14 (7) = blue           |
|                                                   | IDC/FLK14 (8) = IDC/FLK14 (8) = violet         |
|                                                   | IDC/FLK14 (9) = IDC/FLK14 (9) = gray           |
|                                                   | IDC/FLK14 (10) = IDC/FLK14 (10) = white        |
|                                                   | IDC/FLK14 (11) = IDC/FLK14 (11) = white-black  |
|                                                   | IDC/FLK14 (12) = IDC/FLK14 (12) = white-brown  |
|                                                   | IDC/FLK14 (13) = IDC/FLK14 (13) = white-red    |
|                                                   | IDC/FLK14 (14) = IDC/FLK14 (14) = white-orange |

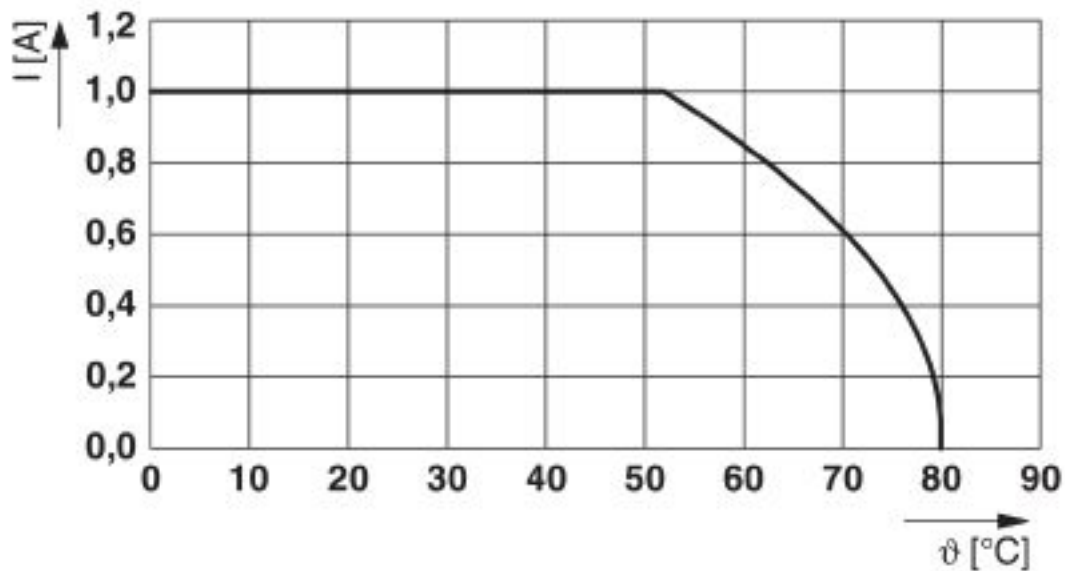
#### Environmental Product Compliance

|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
| China RoHS | Environmentally Friendly Use Period = 50 years                                                      |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

### Drawings

## Cable - FLK 14/EZ-DR/HF/ 600/KONFEK - 2306003

Diagram



Maximum permissible current per path in uncoiled state

### Classifications

#### eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27242220 |
| eCl@ss 4.0    | 27060300 |
| eCl@ss 4.1    | 27060300 |
| eCl@ss 5.0    | 27242200 |
| eCl@ss 5.1    | 27242200 |
| eCl@ss 6.0    | 27249200 |
| eCl@ss 7.0    | 27249205 |
| eCl@ss 8.0    | 27249205 |
| eCl@ss 9.0    | 27242220 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000237 |
| ETIM 3.0 | EC000237 |
| ETIM 4.0 | EC000237 |
| ETIM 5.0 | EC000237 |
| ETIM 6.0 | EC000237 |
| ETIM 7.0 | EC000237 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 26121620 |
| UNSPSC 7.0901 | 26121620 |
| UNSPSC 11     | 26121620 |

## Cable - FLK 14/EZ-DR/HF/ 600/KONFEK - 2306003

### Classifications

#### UNSPSC

|              |          |
|--------------|----------|
| UNSPSC 12.01 | 26121620 |
| UNSPSC 13.2  | 26121620 |
| UNSPSC 18.0  | 26121620 |
| UNSPSC 19.0  | 26121620 |
| UNSPSC 20.0  | 26121620 |
| UNSPSC 21.0  | 26121620 |

### Approvals

#### Approvals

#### Approvals

UL Listed / cUL Listed / EAC / cULus Listed

#### Ex Approvals

#### Approval details

|                    |                                                                                     |                                                                                                                                                       |               |
|--------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| UL Listed          |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 238705 |
|                    |                                                                                     |                                                                                                                                                       |               |
| Nominal voltage UN | 125 V                                                                               |                                                                                                                                                       |               |
| Nominal current IN | 1 A                                                                                 |                                                                                                                                                       |               |

|                    |  |                                                                                     |                                                                                                                                                       |               |
|--------------------|--|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| cUL Listed         |  |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 238705 |
|                    |  |                                                                                     |                                                                                                                                                       |               |
| Nominal voltage UN |  | 125 V                                                                               |                                                                                                                                                       |               |
| Nominal current IN |  | 1 A                                                                                 |                                                                                                                                                       |               |

|     |                                                                                     |                         |
|-----|-------------------------------------------------------------------------------------|-------------------------|
| EAC |  | RU*-<br>DE.HB*35.B00385 |
|-----|-------------------------------------------------------------------------------------|-------------------------|

|              |                                                                                     |
|--------------|-------------------------------------------------------------------------------------|
| cULus Listed |  |
|--------------|-------------------------------------------------------------------------------------|

## Cable - FLK 14/EZ-DR/HF/ 600/KONFEK - 2306003

### Accessories

#### Accessories

#### Marker carrier cable

Cable marker carrier - KME - 0807083



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

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