

Cable - FLK 40/EZ-DR/ 150/KONFEK - 2289007

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Round cable set; connection 1: IDC/FLK socket strip (1x 40-position); connection 2: IDC/FLK socket strip (1x 40-position); cable length: 1.5 m

Your advantages

- Unshielded



Key Commercial Data

| | |
|--------------|---|
| Packing unit | 1 pc |
| GTIN |  4 017918 057398 |
| GTIN | 4017918057398 |

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 | 1.5 m |
| External cable diameter | 9.9 mm ±0.4 mm |
| Single wire, cross section | 0.14 mm ² |
| Single wire, cross section [AWG] | 26 |

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Technical data

General

| | |
|---|---|
| Single wire, number of litz wires | 7 |
| Single wire, material | Cu tin-plated |
| Wire diameter incl. insulation | 1 mm ±0.03 mm |
| Smallest bending radius, fixed installation | 82 mm |
| Smallest bending radius, movable installation | 155 mm |
| Bending cycles | 5000 (at a radius of ≥ 15x outside diameter) |
| Cable, preassembly | Insulation displacement, IEC 60352-4/DIN EN 60352-4 |
| Shielding | no |
| Cable insulation resistance | ≥ 20 MΩ/km (20 °C) |
| Cable resistance | ≤ 145 Ω/km (20 °C) |
| Outer sheath, material | Semi-rigid PVC |
| External sheath, color | gray |
| Degree of protection | IP00 |
| | ≥ IP54 (Installation location) |
| 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 | 40 |
| 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 | 40 |
| Insertion/withdrawal cycles | > 50 |
| Pitch | 2.54 mm |

Standards and Regulations

| | |
|---------------------|-----------------------------|
| Flame resistance | UL VW-1 |
| | CSA FT-1 |
| | 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 |

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Standards and Regulations

| | |
|----------------------------------|---------------------------------------|
| Connection in acc. with standard | CUL |
| Designation | Air clearances and creepage distances |
| Standards/regulations | DIN EN 50178 |
| Rated insulation voltage | 63 V |
| Rated surge voltage | 0.6 kV |
| Insulation | Functional insulation |
| Degree of pollution | 2 |
| Overvoltage category | II |

Color code

| | |
|---|--|
| Connector 1 = connector 2 (optional) = wire color | IDC/FLK40 (1) = IDC/FLK40 (1) = black |
| | IDC/FLK40 (2) = IDC/FLK40 (2) = brown |
| | IDC/FLK40 (3) = IDC/FLK40 (3) = red |
| | IDC/FLK40 (4) = IDC/FLK40 (4) = orange |
| | IDC/FLK40 (5) = IDC/FLK40 (5) = yellow |
| | IDC/FLK40 (6) = IDC/FLK40 (6) = green |
| | IDC/FLK40 (7) = IDC/FLK40 (7) = blue |
| | IDC/FLK40 (8) = IDC/FLK40 (8) = violet |
| | IDC/FLK40 (9) = IDC/FLK40 (9) = gray |
| | IDC/FLK40 (10) = IDC/FLK40 (10) = white |
| | IDC/FLK40 (11) = IDC/FLK40 (11) = white-black |
| | IDC/FLK40 (12) = IDC/FLK40 (12) = white-brown |
| | IDC/FLK40 (13) = IDC/FLK40 (13) = white-red |
| | IDC/FLK40 (14) = IDC/FLK40 (14) = white-orange |
| | IDC/FLK40 (15) = IDC/FLK40 (15) = white-yellow |
| | IDC/FLK40 (16) = IDC/FLK40 (16) = white-green |
| | IDC/FLK40 (17) = IDC/FLK40 (17) = white-blue |
| | IDC/FLK40 (18) = IDC/FLK40 (18) = white-violet |
| | IDC/FLK40 (19) = IDC/FLK40 (19) = white-gray |
| | IDC/FLK40 (20) = IDC/FLK40 (20) = brown-black |
| | IDC/FLK40 (21) = IDC/FLK40 (21) = brown-red |
| | IDC/FLK40 (22) = IDC/FLK40 (22) = brown-orange |
| | IDC/FLK40 (23) = IDC/FLK40 (23) = brown-yellow |
| | IDC/FLK40 (24) = IDC/FLK40 (24) = brown-green |
| | IDC/FLK40 (25) = IDC/FLK40 (25) = brown-blue |
| | IDC/FLK40 (26) = IDC/FLK40 (26) = brown-violet |
| | IDC/FLK40 (27) = IDC/FLK40 (27) = brown-gray |
| | IDC/FLK40 (28) = IDC/FLK40 (28) = brown-white |
| | IDC/FLK40 (29) = IDC/FLK40 (29) = green-black |
| | IDC/FLK40 (30) = IDC/FLK40 (30) = green-brown |
| | IDC/FLK40 (31) = IDC/FLK40 (31) = green-red |

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Color code

| | |
|--|---|
| | IDC/FLK40 (32) = IDC/FLK40 (32) = green-orange |
| | IDC/FLK40 (33) = IDC/FLK40 (33) = green-blue |
| | IDC/FLK40 (34) = IDC/FLK40 (34) = green-violet |
| | IDC/FLK40 (35) = IDC/FLK40 (35) = green-gray |
| | IDC/FLK40 (36) = IDC/FLK40 (36) = green-white |
| | IDC/FLK40 (37) = IDC/FLK40 (37) = yellow-black |
| | IDC/FLK40 (38) = IDC/FLK40 (38) = yellow-brown |
| | IDC/FLK40 (39) = IDC/FLK40 (39) = yellow-red |
| | IDC/FLK40 (40) = IDC/FLK40 (40) = yellow-orange |

Environmental Product Compliance

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

Approvals


Approvals


Approvals

UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals


Approval details

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

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

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Approvals

| | | |
|-----|---|-------------------------|
| EAC |  | RU C- DE.A*30.B00767 |
|-----|---|-------------------------|

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

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