

CABLE-D37F/2XD15F/HF/10M/ETHA - Cable



1276391

<https://www.phoenixcontact.com/us/products/1276391>

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Assembled, halogen-free round cable; controller: Siemens SIMATIC® ET 200SP HA; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB socket strip (2x 15-position); cable length: 10 m



Commercial data

| | |
|------------------------|--------------------------------|
| Item number | 1276391 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | C421 |
| Product key | DK225S |
| GTIN | 4063151467999 |
| Customs tariff number | 85444290 |
| Country of origin | DE |

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Technical data

Product properties

| | |
|--------------|--------------|
| Product type | System cable |
|--------------|--------------|

Environmental and real-life conditions

Ambient conditions

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

Electrical properties

| | |
|--------------------------|----------------------------------|
| Operating voltage (AC) | ≤ 30 V AC |
| Operating voltage (DC) | ≤ 60 V DC |
| Nominal operating mode | 100% operating factor |
| Current (Per path, 50°C) | ≤ 1 A (Uncoiled, see derating) |
| Current (Per path, 70°C) | ≤ 0.6 A (Uncoiled, see derating) |

Supported controller: SIEMENS ET 200SP HA

| | |
|-------------------------|---|
| Suitable terminal block | 6DL1193-6TP00-0BH1 |
| | 6DL1193-6TP00-0DH1 |
| | 6DL1193-6TP00-0BM1 |
| | 6DL1193-6TP00-0DM1 |
| Suitable I/O module | 6DL1131-6BH00-0PH1 (Terminal Block H1/M1) |
| | 6DL1132-6BH00-0PH1 (Terminal Block H1/M1) |

Cable/line

| | |
|---------------------------------|-------------------------------------|
| Cable length | 10 m |
| UL AWM Style | 21946 |
| Number of positions | 14 |
| Shielded | no |
| Conductor type | Assembled, halogen-free round cable |
| Conductor structure signal line | 7x 0.16 mm |
| AWG signal line | 26 |
| Conductor cross-section | 14x 0.14 mm ² |
| Wire diameter incl. insulation | 1 mm ±0.03 mm |
| External cable diameter | 5.80 mm ±0.4 mm |
| Outer sheath, material | halogen-free (type 2) |
| External sheath, color | gray |
| Conductor material | Tin-plated Cu litz wires |

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| | |
|---|---|
| Cable resistance | ≤ 145 Ω/km (20 °C) |
| Insulation resistance | ≥ 20 MΩ*km (20 °C) |
| Smallest bending radius, fixed installation | 50 mm |
| Smallest bending radius, movable installation | 93 mm |
| Dynamic load capacity (bending) | Max. bending cycles: 5000 (at a radius of ≥ 15x outside diameter) |
| Halogen-free | yes |
| Flame resistance | IEC 60332-1-2 (raw cable) |
| | VDE 0842, Part 332-1-2 (raw cable) |
| | IEC 60332-3-22 (raw cable) |
| Resistance to oil | can withstand occasional splashes (raw cable) |
| Cable type | Splitting cable for two modules |

Color code: Single-core wire

| | |
|--------|------------------------------------|
| black | D-SUB 37 X1 (1) = D-SUB15 X2 (1) |
| brown | D-SUB 37 X1 (2) = D-SUB15 X2 (2) |
| red | D-SUB 37 X1 (3) = D-SUB15 X2 (3) |
| orange | D-SUB 37 X1 (4) = D-SUB15 X2 (4) |
| yellow | D-SUB 37 X1 (5) = D-SUB15 X2 (5) |
| green | D-SUB 37 X1 (6) = D-SUB15 X2 (6) |
| blue | D-SUB 37 X1 (7) = D-SUB15 X2 (7) |
| violet | D-SUB 37 X1 (8) = D-SUB15 X2 (8) |
| gray | D-SUB 37 X1 (17) = D-SUB15 X2 (9) |
| white | D-SUB 37 X1 (36) = D-SUB15 X2 (10) |
| black | D-SUB 37 X1 (9) = D-SUB15 X3 (1) |
| brown | D-SUB 37 X1 (10) = D-SUB15 X3 (2) |
| red | D-SUB 37 X1 (11) = D-SUB15 X3 (3) |
| orange | D-SUB 37 X1 (12) = D-SUB15 X3 (4) |
| yellow | D-SUB 37 X1 (13) = D-SUB15 X3 (5) |
| green | D-SUB 37 X1 (14) = D-SUB15 X3 (6) |
| blue | D-SUB 37 X1 (15) = D-SUB15 X3 (7) |
| violet | D-SUB 37 X1 (16) = D-SUB15 X3 (8) |
| gray | D-SUB 37 X1 (18) = D-SUB15 X3 (9) |
| white | D-SUB 37 X1 (37) = D-SUB15 X3 (10) |

Connection data

Connection 1

| | |
|----------------------------------|--------------------|
| Connection in acc. with standard | IEC 60807-2 |
| | DIN 41652 |
| Connection method | D-SUB socket strip |
| Screw thread | UNC 4-40 |
| | M2,5 |
| Number of connections | 1 |
| Number of positions | 37 |

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| | |
|-----------------------------|---------|
| Tightening torque | 0.2 Nm |
| Insertion/withdrawal cycles | > 200 |
| Pitch | 2.77 mm |

Connection 2

| | |
|----------------------------------|--------------------|
| Connection in acc. with standard | IEC 60807-2 |
| | DIN 41652 |
| Connection method | D-SUB socket strip |
| Screw thread | UNC 4-40 |
| | M2,5 |
| Number of connections | 2 |
| Number of positions | 15 |
| Tightening torque | 0.2 Nm |
| Insertion/withdrawal cycles | > 200 |
| Pitch | 2.74 mm |

Notes

| | |
|--------------------|--|
| Notes on operation | For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met. |
|--------------------|--|

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Drawings

Diagram



Maximum permissible current per path in uncoiled state

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27242220 |
| ECLASS-15.0 | 27242220 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC000237 |
|----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 26121600 |
|-------------|----------|

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Environmental product compliance

EU RoHS

| | |
|---|------------|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 6(a), 6(c) |

China RoHS

| | |
|--|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|-------------------------------------|-------------------------------------|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
| SCIP | b95e2295-618a-431c-a60b-d13fdb85826 |

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