

1276251

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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: 1 m

Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1276251                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | C421                           |
| Product key                          | CK2155                         |
| GTIN                                 | 4063151469351                  |
| Weight per piece (including packing) | 290 g                          |
| Weight per piece (excluding packing) | 290 g                          |
| Customs tariff number                | 85444993                       |
| Country of origin                    | DE                             |

# CABLE-D37F/2XD15F/HF/1M/ETHA - Cable



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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)              | -40 °C ... 70 °C (fixed installation)<br>-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                    | 1 m                                 |
| 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 <sup>2</sup>            |
| Wire diameter incl. insulation  | 1 mm ±0.03 mm                       |
| External cable diameter         | 5.8 mm ±0.4 mm                      |
| Outer sheath, material          | halogen-free (type 2)               |
| External sheath, color          | gray                                |
| Conductor material              | Tin-plated Cu litz wires            |
| Cable resistance                | ≤ 145 Ω/km (20 °C)                  |

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|                                               |                                               |
|-----------------------------------------------|-----------------------------------------------|
| Insulation resistance                         | ≥ 20 MΩ*km (20 °C)                            |
| Smallest bending radius, fixed installation   | 50 mm                                         |
| Smallest bending radius, movable installation | 93 mm                                         |
| 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) |

## color code

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

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

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## Connection 2

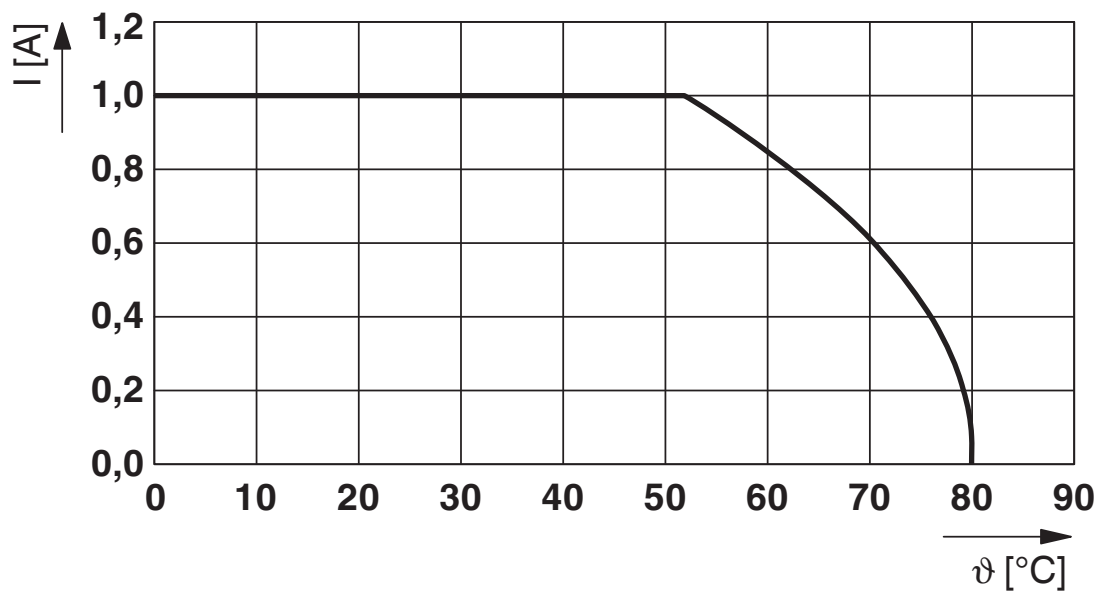
|                                  |                    |
|----------------------------------|--------------------|
| Connection in acc. with standard | IEC 60807-2        |
|                                  | DIN 41652          |
| Connection method                | D-SUB socket strip |
| Screw thread                     | 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

|         |                                                                                                                                                                                                                                                                                |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General | 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. |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Drawings

Diagram



Maximum permissible current per path in uncoiled state

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## Approvals

 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1276251>



**UL Listed**

Approval ID: FILE E 238705



**cUL Listed**

Approval ID: FILE E 238705

**cULus Listed**

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27242220 |
| ECLASS-12.0 | 27242220 |
| ECLASS-13.0 | 27242220 |

### ETIM

|          |          |
|----------|----------|
| ETIM 8.0 | EC000237 |
|----------|----------|

### UNSPSC

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

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## Environmental product compliance

|            |                                                                                                              |
|------------|--------------------------------------------------------------------------------------------------------------|
| REACH SVHC | Lead 7439-92-1                                                                                               |
| China RoHS | Environmentally Friendly Use Period = 50 years                                                               |
|            | For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads" |



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## Accessories

### FLKM-PA-D37/ETHA - Front adapter

1076338

<https://www.phoenixcontact.com/us/products/1076338>



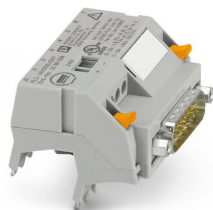
VARIOFACE front adapter for Siemens SIMATIC® ET 200SP HA, with a 37-pos. D-SUB male strip for digital 24 V DC and analog peripheral modules, max. 32 channels can be connected

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### PLC-V8/D15S/OUT - System connection

2296058

<https://www.phoenixcontact.com/us/products/2296058>



V8 adapter for 8 x PLC-INTERFACE (6.2 mm), controller: PLC system cabling of output cards, connection 1: D-SUB pin strip 1x 15-position, connection 2: Plug-in connection (Can be snapped onto 8x PLC-INTERFACE terminals), connection 3: Screw connection 1x 2-position, number of channels: 8, control logic: plusschaltend

# CABLE-D37F/2XD15F/HF/1M/ETHA - Cable



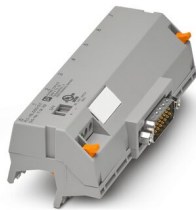
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## PLC-V8L/D15S/OUT - System connection

1104789

<https://www.phoenixcontact.com/us/products/1104789>



V8 adapter for 8 x PLC-INTERFACE (14 mm), connection 1: D-SUB pin strip 1x 15-position, connection 2: Plug-in connection (Can be snapped onto 8x PLC-INTERFACE terminals), connection 3: Screw connection 1x 2-position, number of channels: 8, control logic: plusschaltend

## PLC-V8/D15S/IN - System connection

2296074

<https://www.phoenixcontact.com/us/products/2296074>



V8 adapter for 8 x PLC-INTERFACE (6.2 mm), controller: PLC system cabling of input cards, connection 1: D-SUB pin strip 1x 15-position, connection 2: Plug-in connection (Can be snapped onto 8x PLC-INTERFACE terminals), connection 3: Screw connection 1x 2-position, number of channels: 8, control logic: plusschaltend

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