

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



1258833

<https://www.phoenixcontact.com/us/products/1258833>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.

Round cable set; 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            | 1258833                        |
| Packing unit           | 1 pc                           |
| Minimum order quantity | 1 pc                           |
| Note                   | Made to order (non-returnable) |
| Sales key              | C421                           |
| Product key            | CK2155                         |
| GTIN                   | 4063151367220                  |
| Customs tariff number  | 85444290                       |
| Country of origin      | DE                             |

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



1258833

<https://www.phoenixcontact.com/us/products/1258833>

## 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 | 10 m |
|--------------|------|

#### 10X0.14 [PVC]

|                                 |                 |
|---------------------------------|-----------------|
| UL AWM Style                    | 2464/1061       |
| Number of positions             | 10              |
| Shielded                        | no              |
| Cable type                      | 10X0.14 [PVC]   |
| Conductor type                  | Round cable set |
| Conductor structure signal line | 7x 0.16 mm      |
| AWG signal line                 | 26              |
| Conductor cross section         | 10x 0.14 mm²    |
| Wire diameter incl. insulation  | 1 mm ±0.03 mm   |
| External cable diameter         | 6.1 mm ±0.4 mm  |
| Outer sheath, material          | Semi-rigid PVC  |

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



1258833

<https://www.phoenixcontact.com/us/products/1258833>

|                                               |                                                   |
|-----------------------------------------------|---------------------------------------------------|
| External sheath, color                        | gray                                              |
| Conductor material                            | Tin-plated Cu litz wires                          |
| Cable resistance                              | $\leq 145 \Omega/\text{km}$ (20 °C)               |
| Insulation resistance                         | $\geq 20 \text{ M}\Omega \cdot \text{km}$ (20 °C) |
| Smallest bending radius, fixed installation   | 52 mm                                             |
| Smallest bending radius, movable installation | 98 mm                                             |
| Max. bending cycles                           | 5000                                              |
| Halogen-free                                  | no                                                |
| Flame resistance                              | IEC 60332-1-2 (raw cable)                         |
|                                               | VDE 0842, Part 332-1-2 (raw cable)                |
|                                               | IEC 60332-3-22 (raw cable)                        |
|                                               | UL VW-1                                           |
|                                               | CSA FT-1                                          |
| 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               |

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



1258833

<https://www.phoenixcontact.com/us/products/1258833>

|                             |         |
|-----------------------------|---------|
| Number of connections       | 1       |
| Number of positions         | 37      |
| 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

|         |                                                                                                                                                                                                                                                                                |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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

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



1258833

<https://www.phoenixcontact.com/us/products/1258833>

## Approvals

 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1258833>



**UL Listed**

Approval ID: FILE E 238705



**cUL Listed**

Approval ID: FILE E 238705

**cULus Listed**

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



1258833

<https://www.phoenixcontact.com/us/products/1258833>

## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

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



1258833

<https://www.phoenixcontact.com/us/products/1258833>

## 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" |

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

1258833

<https://www.phoenixcontact.com/us/products/1258833>



## 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

---

### 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/10M/ETHA - Cable



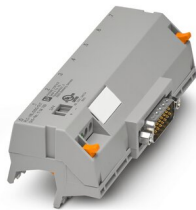
1258833

<https://www.phoenixcontact.com/us/products/1258833>

## 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

---

Phoenix Contact 2023 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)