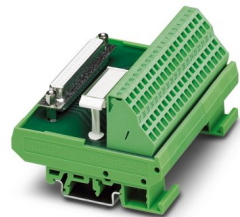


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Standard 1:1 D-SUB module, with spring-cage connection and D-SUB socket strip, no. of positions 37

Your advantages

- 9-pos. ... 50-pos.
- Spring-cage connection technology
- In accordance with IEC 60807-2
- 1:1 connection

Commercial data

|                                      |                    |
|--------------------------------------|--------------------|
| Item number                          | 2304063            |
| Packing unit                         | 1 pc               |
| Minimum order quantity               | 1 pc               |
| Sales key                            | CK2                |
| Product key                          | DK2182             |
| Catalog page                         | Page 308 (IF-2011) |
| GTIN                                 | 4017918944032      |
| Weight per piece (including packing) | 181.2 g            |
| Weight per piece (excluding packing) | 0.77 g             |
| Customs tariff number                | 85369010           |
| Country of origin                    | DE                 |

# FLKM-D37 SUB/B/ZFKDS - Termination board



2304063

<https://www.phoenixcontact.com/in/products/2304063>

## Technical data

### Product properties

|                     |                  |
|---------------------|------------------|
| Product type        | Interface module |
| Number of positions | 37               |

Insulation characteristics: Air clearances and creepage distances

|                      |                       |
|----------------------|-----------------------|
| Insulation           | Functional insulation |
| Overvoltage category | II                    |
| Pollution degree     | 2                     |

### Electrical properties

|                         |           |
|-------------------------|-----------|
| Operating voltage (AC)  | ≤ 30 V AC |
| Operating voltage (DC)  | ≤ 60 V DC |
| Current (per branch)    | ≤ 2.5 A   |
| Current (Total current) | ≤ 81.4 A  |

Air clearances and creepage distances

|                          |                    |
|--------------------------|--------------------|
| Rated insulation voltage | 125 V              |
| Rated surge voltage      | 1.2 kV (1.2/50 μs) |

### Connection data

Connection 1 (control level)

|                                  |                    |
|----------------------------------|--------------------|
| Connection in acc. with standard | IEC 60807-2        |
| Connection method                | D-SUB socket strip |
| Screw thread                     | UNC 4-40           |
| Number of connections            | 1                  |
| Number of positions              | 37                 |
| Insertion/withdrawal cycles      | > 500              |
| Pitch                            | 2.77 mm            |

Connection 2 (field level)

|                                  |                                                       |
|----------------------------------|-------------------------------------------------------|
| Connection method                | Spring-cage connection                                |
| Stripping length                 | 7 mm                                                  |
| Number of positions              | 38                                                    |
| Conductor cross section rigid    | 0.2 mm² ... 4 mm²                                     |
| Conductor cross section flexible | 0.2 mm² ... 2.5 mm²                                   |
|                                  | 0.25 mm² ... 2.5 mm² (Ferrule without plastic sleeve) |
|                                  | 0.25 mm² ... 1.5 mm² (Ferrule with plastic sleeve)    |
| Conductor cross section AWG      | 24 ... 12                                             |
| Pitch                            | 5.08 mm                                               |

### Signaling

|                |    |
|----------------|----|
| Status display | no |
|----------------|----|

# FLKM-D37 SUB/B/ZFKDS - Termination board



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|                        |    |
|------------------------|----|
| Status display present | No |
|------------------------|----|

## Dimensions

### Item dimensions

|        |           |
|--------|-----------|
| Width  | 101.25 mm |
| Height | 77 mm     |
| Depth  | 51.27 mm  |

## Material specifications

|                             |                  |
|-----------------------------|------------------|
| Color                       | green (RAL 6021) |
| Housing insulation material | PVC              |

## Environmental and real-life conditions

### Ambient conditions

|                                              |                  |
|----------------------------------------------|------------------|
| Degree of protection (Module)                | IP20             |
| Degree of protection (Installation location) | ≥ IP54           |
| Ambient temperature (operation)              | -20 °C ... 50 °C |
| Ambient temperature (storage/transport)      | -20 °C ... 70 °C |
| Altitude                                     | ≤ 2000 m         |

## Approvals

### UKCA

|             |                |
|-------------|----------------|
| Certificate | UKCA-compliant |
|-------------|----------------|

## Standards and regulations

### Air clearances and creepage distances

|                       |                |
|-----------------------|----------------|
| Standards/regulations | EN IEC 60664-1 |
|-----------------------|----------------|

## Mounting

|                   |                   |
|-------------------|-------------------|
| Mounting type     | DIN rail mounting |
| Mounting position | any               |

## 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. |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

# FLKM-D37 SUB/B/ZFKDS - Termination board

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## Drawings

Circuit diagram



# FLKM-D37 SUB/B/ZFKDS - Termination board



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/in/products/2304063>

| cUL Recognized<br>Approval ID: E238705 |                       |                       |                   |                             |
|----------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|                                        | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|                                        | 125 V                 | 2.5 A                 | -                 | -                           |

| UL Recognized<br>Approval ID: E238705 |                       |                       |                   |                             |
|---------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|                                       | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|                                       | 125 V                 | 2.5 A                 | -                 | -                           |

| cULus Recognized |  |  |  |  |
|------------------|--|--|--|--|
|------------------|--|--|--|--|

# FLKM-D37 SUB/B/ZFKDS - Termination board



2304063

<https://www.phoenixcontact.com/in/products/2304063>

## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27141152 |
| ECLASS-12.0 | 27141152 |
| ECLASS-13.0 | 27141152 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC002780 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

# FLKM-D37 SUB/B/ZFKDS - Termination board



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<https://www.phoenixcontact.com/in/products/2304063>

## Environmental product compliance

|                                         |                                          |
|-----------------------------------------|------------------------------------------|
| EU RoHS                                 |                                          |
| Fulfills EU RoHS substance requirements | Yes, No exemptions                       |
| China RoHS                              |                                          |
| Environment friendly use period (EFUP)  | EFUP-E                                   |
|                                         | No hazardous substances above the limits |
| EU REACH SVHC                           |                                          |
| REACH candidate substance (CAS No.)     | No substance above 0.1 wt%               |

# FLKM-D37 SUB/B/ZFKDS - Termination board



2304063

<https://www.phoenixcontact.com/in/products/2304063>

## Accessories

### CABLE D-SUB-S/.../.../... - Cable

2302340

<https://www.phoenixcontact.com/in/products/2302340>



Shielded round cable, assembled with one D-SUB female and pin strip (9-, 15-, 25-, 37-, or 50-pos.), variable cable length

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### CABLE D-SUB-S-S-S/.../.../... - Cable

2302434

<https://www.phoenixcontact.com/in/products/2302434>



Shielded round cable, assembled with two D-SUB pin strips (9-, 15-, 25-, 37-, or 50-pos.), variable cable length

# FLKM-D37 SUB/B/ZFKDS - Termination board



2304063

<https://www.phoenixcontact.com/in/products/2304063>

## CABLE-D37SUB/B/S/ 50/KONFEK/S - Cable

2302191

<https://www.phoenixcontact.com/in/products/2302191>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB pin strip (1x 37-position); cable length: 0.5 m

---

## CABLE-D37SUB/B/S/100/KONFEK/S - Cable

2302201

<https://www.phoenixcontact.com/in/products/2302201>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB pin strip (1x 37-position); cable length: 1 m

# FLKM-D37 SUB/B/ZFKDS - Termination board



2304063

<https://www.phoenixcontact.com/in/products/2304063>

## CABLE-D37SUB/B/S/150/KONFEK/S - Cable

2302214

<https://www.phoenixcontact.com/in/products/2302214>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB pin strip (1x 37-position); cable length: 1.5 m

---

## CABLE-D37SUB/B/S/200/KONFEK/S - Cable

2302227

<https://www.phoenixcontact.com/in/products/2302227>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB pin strip (1x 37-position); cable length: 2 m

# FLKM-D37 SUB/B/ZFKDS - Termination board



2304063

<https://www.phoenixcontact.com/in/products/2304063>

## CABLE-D37SUB/B/S/300/KONFEK/S - Cable

2302230

<https://www.phoenixcontact.com/in/products/2302230>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB pin strip (1x 37-position); cable length: 3 m

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## CABLE-D37SUB/B/S/400/KONFEK/S - Cable

2302243

<https://www.phoenixcontact.com/in/products/2302243>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB pin strip (1x 37-position); cable length: 4 m

# FLKM-D37 SUB/B/ZFKDS - Termination board



2304063

<https://www.phoenixcontact.com/in/products/2304063>

## CABLE-D37SUB/B/S/600/KONFEK/S - Cable

2302256

<https://www.phoenixcontact.com/in/products/2302256>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB pin strip (1x 37-position); cable length: 6 m

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## CABLE-D37SUB/B/S/HF/S/ 1,0M - Cable

1066608

<https://www.phoenixcontact.com/in/products/1066608>



Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB pin strip (1x 37-position); cable length: 1 m

# FLKM-D37 SUB/B/ZFKDS - Termination board



2304063

<https://www.phoenixcontact.com/in/products/2304063>

## CABLE-D37SUB/B/S/HF/S/ 2,0M - Cable

1066609

<https://www.phoenixcontact.com/in/products/1066609>



Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB pin strip (1x 37-position); cable length: 2 m

---

## CABLE-D37SUB/B/S/HF/S/ 3,0M - Cable

1066611

<https://www.phoenixcontact.com/in/products/1066611>



Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB pin strip (1x 37-position); cable length: 3 m

# FLKM-D37 SUB/B/ZFKDS - Termination board

2304063

<https://www.phoenixcontact.com/in/products/2304063>



## CABLE-D37SUB-B-S-HF-S/... - Cable

1075562

<https://www.phoenixcontact.com/in/products/1075562>



Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB pin strip (1x 37-position); cable length: variable

---

## CABLE-D-37SUB/M/OE/0,25/S/0,5M - Cable

2926577

<https://www.phoenixcontact.com/in/products/2926577>



Assembled shielded round cable; connection 1: Single wires (37-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB pin strip (1x 37-position); cable length: 0.5 m

# FLKM-D37 SUB/B/ZFKDS - Termination board



2304063

<https://www.phoenixcontact.com/in/products/2304063>

## CABLE-D-37SUB/M/OE/0,25/S/1,0M - Cable

2926580

<https://www.phoenixcontact.com/in/products/2926580>



Assembled shielded round cable; connection 1: Single wires (37-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB pin strip (1x 37-position); cable length: 1 m

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## CABLE-D-37SUB/M/OE/0,25/S/1,5M - Cable

2926593

<https://www.phoenixcontact.com/in/products/2926593>



Assembled shielded round cable; connection 1: Single wires (37-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB pin strip (1x 37-position); cable length: 1.5 m

# FLKM-D37 SUB/B/ZFKDS - Termination board



2304063

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## CABLE-D-37SUB/M/OE/0,25/S/2,0M - Cable

2926603

<https://www.phoenixcontact.com/in/products/2926603>



Assembled shielded round cable; connection 1: Single wires (37-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB pin strip (1x 37-position); cable length: 2 m

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## CABLE-D-37SUB/M/OE/0,25/S/3,0M - Cable

2926616

<https://www.phoenixcontact.com/in/products/2926616>



Assembled shielded round cable; connection 1: Single wires (37-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB pin strip (1x 37-position); cable length: 3 m

# FLKM-D37 SUB/B/ZFKDS - Termination board



2304063

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## CABLE-D-37SUB/M/OE/0,25/S/4,0M - Cable

2926629

<https://www.phoenixcontact.com/in/products/2926629>



Assembled shielded round cable; connection 1: Single wires (37-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB pin strip (1x 37-position); cable length: 4 m

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## CABLE-D-37SUB/M/OE/0,25/S/6,0M - Cable

2926632

<https://www.phoenixcontact.com/in/products/2926632>



Assembled shielded round cable; connection 1: Single wires (37-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB pin strip (1x 37-position); cable length: 6 m

# FLKM-D37 SUB/B/ZFKDS - Termination board

2304063

<https://www.phoenixcontact.com/in/products/2304063>



## CABLE-D-37SUB-M-OE-0,25-S/... - Cable

2900912

<https://www.phoenixcontact.com/in/products/2900912>



Assembled shielded round cable; connection 1: Single wires (37-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB pin strip (1x 37-position); cable length: variable

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