

## Interface module - FLKM-D 9 SUB/B/ZFKDS - 2304034

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Standard 1:1 D-SUB module, with spring-cage connection and D-SUB socket strip, no. of positions 9

The figure shows the version  
FLKM-D37 SUB/S/ZFKDS

### Why buy this product

- ✓ 9 to 50-pos.
- ✓ Spring-cage connection technology
- ✓ According to IEC 60807-2
- ✓ 1:1 connection



### Key Commercial Data

|              |                                                                                      |
|--------------|--------------------------------------------------------------------------------------|
| Packing unit | 1 STK                                                                                |
| GTIN         |  |
| GTIN         | 4017918944001                                                                        |

### Technical data

#### Dimensions

|        |         |
|--------|---------|
| Width  | 33.8 mm |
| Height | 77 mm   |
| Depth  | 52 mm   |

#### Ambient conditions

|                                         |                  |
|-----------------------------------------|------------------|
| Ambient temperature (operation)         | -20 °C ... 50 °C |
| Ambient temperature (storage/transport) | -20 °C ... 70 °C |

#### General

|                                 |         |
|---------------------------------|---------|
| Max. perm. operating voltage    | 25 V AC |
|                                 | 60 V DC |
| Max. perm. current (per branch) | 2.5 A   |

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## Technical data

### General

|                       |                                        |
|-----------------------|----------------------------------------|
|                       | 1.5 A (with even load on all branches) |
| Number of positions   | 9                                      |
| Status display        | No                                     |
| Mounting position     | any                                    |
| Assembly instructions | In rows with zero spacing              |
| Degree of protection  | IP20                                   |

### Connection data for connection 1

|                                  |                                             |
|----------------------------------|---------------------------------------------|
| Connection name                  | Field level                                 |
| Connection method                | Spring-cage connection                      |
| Stripping length                 | 7 mm                                        |
| Conductor cross section solid    | 0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>   |
| Conductor cross section flexible | 0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> |
| Conductor cross section AWG      | 24 ... 12                                   |
| Number of positions              | 10                                          |

### Connection data for connection 2

|                     |                    |
|---------------------|--------------------|
| Connection name     | Controller level   |
| Connection method   | D-SUB socket strip |
| Number of positions | 9                  |

### Standards and Regulations

|                                  |                       |
|----------------------------------|-----------------------|
| Connection in acc. with standard | CUL                   |
| Standards/regulations            | IEC 60664             |
|                                  | DIN EN 50178          |
| Rated insulation voltage         | 125 V                 |
| Rated surge voltage              | 1.2 kV                |
| Insulation                       | Functional insulation |
| Degree of pollution              | 2                     |
| Overvoltage category             | II                    |

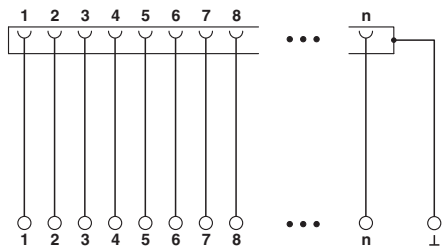
### Environmental Product Compliance

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

## Drawings

Interface module - FLKM-D 9 SUB/B/ZFKDS - 2304034

Circuit diagram



Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approval details

|                    |                                                                                     |                                                                                                                                                       |               |
|--------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| UL Recognized      |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 238705 |
| Nominal voltage UN |                                                                                     | 125 V                                                                                                                                                 |               |
| Nominal current IN |                                                                                     | 2.5 A                                                                                                                                                 |               |

|                    |                                                                                     |                                                                                                                                                       |               |
|--------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| cUL Recognized     |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 238705 |
| Nominal voltage UN |                                                                                     | 125 V                                                                                                                                                 |               |
| Nominal current IN |                                                                                     | 2.5 A                                                                                                                                                 |               |

|     |                                                                                     |                          |  |
|-----|-------------------------------------------------------------------------------------|--------------------------|--|
| EAC |  | RU C-<br>DE.A*30.B.01742 |  |
|-----|-------------------------------------------------------------------------------------|--------------------------|--|

|                  |                                                                                     |                                                                                                                                                       |
|------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| cULus Recognized |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> |
|------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|

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