

# UM 45-D25SUB/S - Interface module



2962793

<https://www.phoenixcontact.com/au/products/2962793>

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VARIOFACE module, with screw connection and D-subminiature pin strip, for assembly on NS 35/7.5, 25 positions

## Commercial data

|                                      |                    |
|--------------------------------------|--------------------|
| Item number                          | 2962793            |
| Packing unit                         | 1 pc               |
| Minimum order quantity               | 1 pc               |
| Sales key                            | CK2223             |
| Product key                          | CK2223             |
| Catalog page                         | Page 250 (IF-2007) |
| GTIN                                 | 4017918087456      |
| Weight per piece (including packing) | 101.4 g            |
| Weight per piece (excluding packing) | 103 g              |
| Customs tariff number                | 85369010           |
| Country of origin                    | DE                 |

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## Technical data

### Product properties

|                     |                  |
|---------------------|------------------|
| Product type        | Interface module |
| Number of positions | 25               |

### Insulation characteristics

|            |                       |
|------------|-----------------------|
| Insulation | Functional insulation |
|------------|-----------------------|

### Insulation characteristics: Air clearances and creepage distances

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

### Electrical properties

|                         |                |
|-------------------------|----------------|
| Operating voltage (AC)  | $\leq 30$ V AC |
| Operating voltage (DC)  | $\leq 60$ V DC |
| Current (per branch)    | $\leq 2.5$ A   |
| Current (Total current) | $\leq 62.5$ A  |

### Air clearances and creepage distances

|                          |                         |
|--------------------------|-------------------------|
| Rated insulation voltage | 125 V                   |
| Rated surge voltage      | 1.2 kV (1.2/50 $\mu$ s) |

### Connection data

#### Connection 1 (control level)

|                                  |                 |
|----------------------------------|-----------------|
| Connection in acc. with standard | IEC 60807-2     |
| Connection method                | D-SUB pin strip |
| Screw thread                     | UNC 4-40        |
| Number of connections            | 1               |
| Number of positions              | 25              |
| Insertion/withdrawal cycles      | > 500           |
| Pitch                            | 2.77 mm         |

#### Connection 2 (field level)

|                                  |                                              |
|----------------------------------|----------------------------------------------|
| Connection method                | Screw connection                             |
| Stripping length                 | 6 mm                                         |
| Screw thread                     | M3                                           |
| Number of positions              | 26                                           |
| Conductor cross section rigid    | 0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> |
| Conductor cross section flexible | 0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> |
| Conductor cross section AWG      | 26 ... 16                                    |

### Signaling

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

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## Dimensions

### Item dimensions

|        |          |
|--------|----------|
| Width  | 90 mm    |
| Height | 45 mm    |
| Depth  | 43.12 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

|         |                                                                                                                                                                                                                                                                                |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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## Drawings

Circuit diagram



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/au/products/2962793>

| cUL Recognized<br>Approval ID: FILE E 118976 |                       |                       |                   |                             |
|----------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|                                              | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| Field wiring                                 | 125 V                 | 2.5 A                 | 30 - 14           | -                           |

| UL Recognized<br>Approval ID: FILE E 118976 |                       |                       |                   |                             |
|---------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|                                             | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| Field wiring                                | 125 V                 | 2.5 A                 | 30 - 14           | -                           |

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

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## Classifications

### ECLASS

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

### ETIM

|          |          |
|----------|----------|
| ETIM 8.0 | EC002780 |
|----------|----------|

### UNSPSC

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

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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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