

# VIP-2/SC/D 9SUB/M/LED - Interface module



2322142

<https://www.phoenixcontact.com/us/products/2322142>

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VARIOFACE module, with screw connection and D-Subminiature pin strip, for mounting on NS 35 rails, with LED, 9-pos.

## Your advantages

- 9-pos. ... 50-pos.
- Metal foot
- In accordance with IEC 60603-13
- Screw connection
- 1:1 connection
- In accordance with IEC 60603-13

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 2322142                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | C423                           |
| Product key                          | CK2112                         |
| Catalog page                         | Page 571 (C-5-2017)            |
| GTIN                                 | 4046356451765                  |
| Weight per piece (including packing) | 89.5 g                         |
| Weight per piece (excluding packing) | 92.1 g                         |
| Customs tariff number                | 85366990                       |
| Country of origin                    | US                             |

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## Technical data

### Product properties

|                     |                        |
|---------------------|------------------------|
| Product type        | Interface module       |
| Product family      | VARIOFACE Professional |
| Number of positions | 9                      |

### Insulation characteristics

|                      |    |
|----------------------|----|
| Overvoltage category | II |
| Pollution degree     | 2  |

### Electrical properties

|                                           |         |
|-------------------------------------------|---------|
| Nominal voltage $U_N$                     | 24 V DC |
| Max. current carrying capacity per branch | 2.5 A   |

### Connection data

#### Field level

|                                  |                                             |
|----------------------------------|---------------------------------------------|
| Connection in acc. with standard | IEC / EN                                    |
| Connection method                | Screw connection                            |
| Stripping length                 | 8 mm                                        |
| Screw thread                     | M3                                          |
| Conductor cross section rigid    | 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                                   |
| Tightening torque                | 0.5 Nm ... 0.6 Nm                           |

#### Controller level

|                       |                 |
|-----------------------|-----------------|
| Connection method     | D-SUB pin strip |
| Number of connections | 1               |
| Number of positions   | 9               |

### Signaling

|                        |     |
|------------------------|-----|
| Status display         | LED |
| Status display present | Yes |

### Dimensions

#### Item dimensions

|        |         |
|--------|---------|
| Width  | 34.7 mm |
| Height | 65.5 mm |
| Depth  | 45.1 mm |

### Material specifications

|                                        |                 |
|----------------------------------------|-----------------|
| Color                                  | gray (RAL 7042) |
| Flammability rating according to UL 94 | V0              |

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|                             |                   |
|-----------------------------|-------------------|
| Housing insulation material | Polyamide 6 green |
|-----------------------------|-------------------|

## Environmental and real-life conditions

### Ambient conditions

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

## Standards and regulations

|                       |              |
|-----------------------|--------------|
| Standards/regulations | IEC 60664    |
|                       | DIN EN 50178 |

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

# VIP-2/SC/D 9SUB/M/LED - Interface module

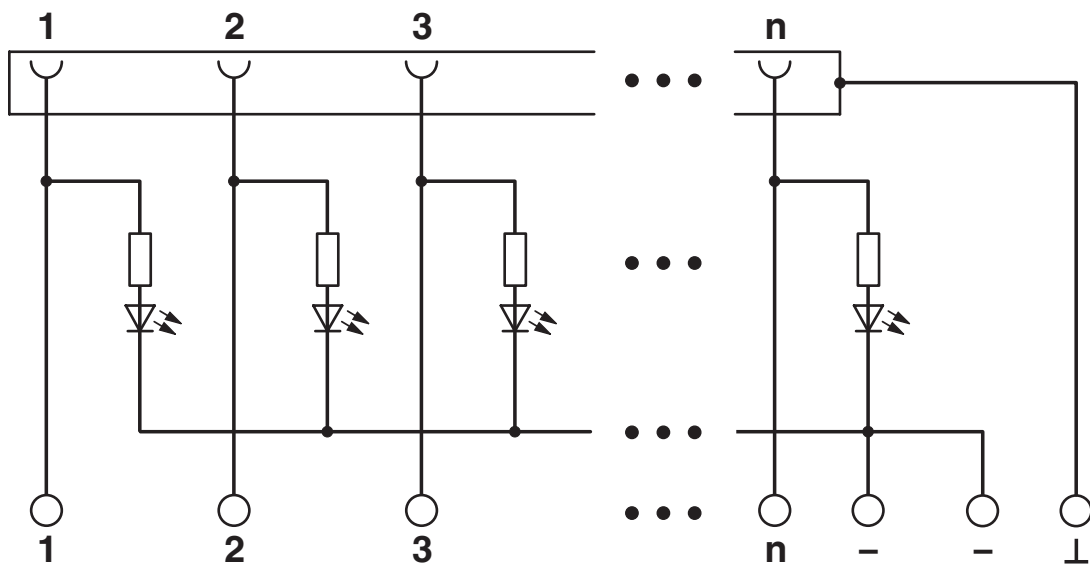


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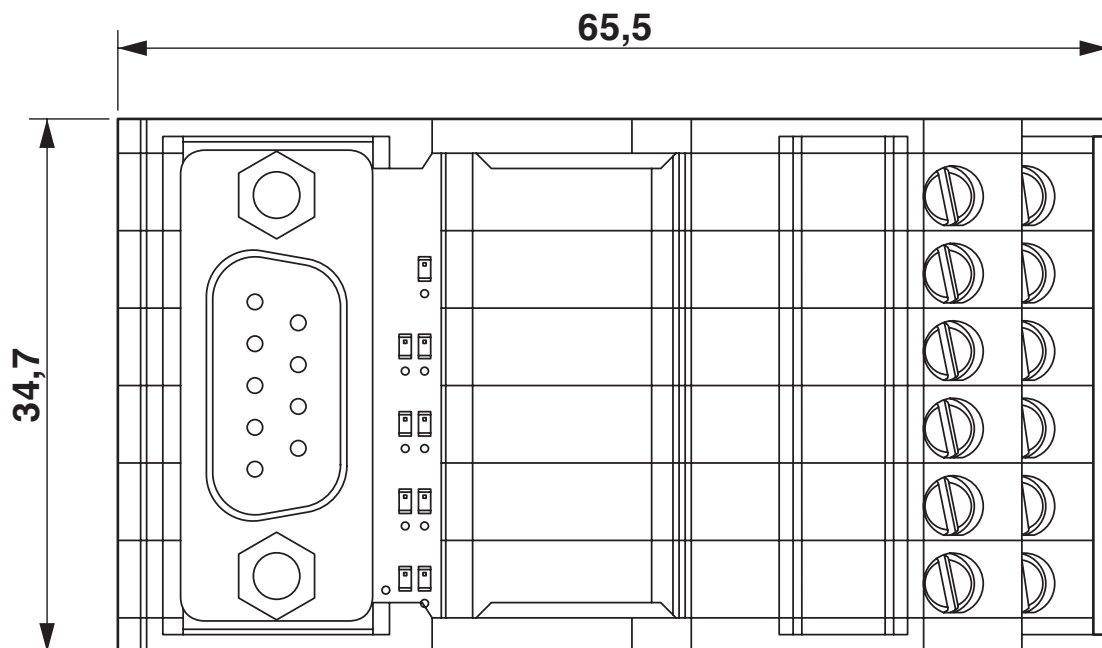
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## Drawings

Circuit diagram



Dimensional drawing



# VIP-2/SC/D 9SUB/M/LED - Interface module



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2322142>

|                                                                                   |                                    |                       |                   |                             |
|-----------------------------------------------------------------------------------|------------------------------------|-----------------------|-------------------|-----------------------------|
|  | <b>CSA</b><br>Approval ID: 2122203 |                       |                   |                             |
|                                                                                   | Nominal voltage $U_N$              | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|                                                                                   | 24 V                               | 2 A                   | 28 - 12           | -                           |

|                                                                                   |                                                     |                       |                   |                             |
|-----------------------------------------------------------------------------------|-----------------------------------------------------|-----------------------|-------------------|-----------------------------|
|  | <b>cUL Recognized</b><br>Approval ID: FILE E 238705 |                       |                   |                             |
|                                                                                   | Nominal voltage $U_N$                               | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|                                                                                   | 24 V                                                | 2 A                   | 30 - 12           | -                           |

|                                                                                    |                                                    |                       |                   |                             |
|------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------|-------------------|-----------------------------|
|  | <b>UL Recognized</b><br>Approval ID: FILE E 238705 |                       |                   |                             |
|                                                                                    | Nominal voltage $U_N$                              | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|                                                                                    | 24 V                                               | 2 A                   | 30 - 12           | -                           |

|                                                                                     |                                      |                       |                   |                             |
|-------------------------------------------------------------------------------------|--------------------------------------|-----------------------|-------------------|-----------------------------|
|  | <b>CSAus</b><br>Approval ID: 2122203 |                       |                   |                             |
|                                                                                     | Nominal voltage $U_N$                | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|                                                                                     | 24 V                                 | 2 A                   | 28 - 12           | -                           |

|               |
|---------------|
| <b>cCSAus</b> |
|---------------|

|                         |
|-------------------------|
| <b>cULus Recognized</b> |
|-------------------------|

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## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

Environmental product compliance

EU RoHS

|                                         |              |
|-----------------------------------------|--------------|
| Fulfills EU RoHS substance requirements | Yes          |
| Exemption                               | 6(c), 7(c)-I |

China RoHS

|                                        |                                                                                                                                                                                                                                   |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Environment friendly use period (EFUP) | EFUP-50                                                                                                                                                                                                                           |
|                                        | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1)                 |
| SCIP                                | 6170c997-2ce7-47f1-9637-eff9f9679b79 |

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## Accessories

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

2302340

<https://www.phoenixcontact.com/us/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-B-B-S/.../.../... - Cable

2302421

<https://www.phoenixcontact.com/us/products/2302421>



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

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## CABLE-D 9SUB/B/S/ 50/KONFEK/S - Cable

2299987

<https://www.phoenixcontact.com/us/products/2299987>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 9-position); connection 2: D-SUB pin strip (1x 9-position); cable length: 0.5 m

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## CABLE-D 9SUB/B/S/100/KONFEK/S - Cable

2299990

<https://www.phoenixcontact.com/us/products/2299990>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 9-position); connection 2: D-SUB pin strip (1x 9-position); cable length: 1 m

# VIP-2/SC/D 9SUB/M/LED - Interface module



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<https://www.phoenixcontact.com/us/products/2322142>

## CABLE-D 9SUB/B/S/150/KONFEK/S - Cable

2300009

<https://www.phoenixcontact.com/us/products/2300009>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 9-position); connection 2: D-SUB pin strip (1x 9-position); cable length: 1.5 m

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## CABLE-D 9SUB/B/S/200/KONFEK/S - Cable

2302010

<https://www.phoenixcontact.com/us/products/2302010>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 9-position); connection 2: D-SUB pin strip (1x 9-position); cable length: 2 m

# VIP-2/SC/D 9SUB/M/LED - Interface module



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<https://www.phoenixcontact.com/us/products/2322142>

## CABLE-D 9SUB/B/S/300/KONFEK/S - Cable

2302023

<https://www.phoenixcontact.com/us/products/2302023>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 9-position); connection 2: D-SUB pin strip (1x 9-position); cable length: 3 m

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## CABLE-D 9SUB/B/S/400/KONFEK/S - Cable

2302036

<https://www.phoenixcontact.com/us/products/2302036>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 9-position); connection 2: D-SUB pin strip (1x 9-position); cable length: 4 m

# VIP-2/SC/D 9SUB/M/LED - Interface module



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## CABLE-D 9SUB/B/S/600/KONFEK/S - Cable

2302049

<https://www.phoenixcontact.com/us/products/2302049>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 9-position); connection 2: D-SUB pin strip (1x 9-position); cable length: 6 m

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## CABLE-D 9SUB/B/S/HF/S/ 1,0M - Cable

1066591

<https://www.phoenixcontact.com/us/products/1066591>



Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 9-position); connection 2: D-SUB pin strip (1x 9-position); cable length: 1 m

# VIP-2/SC/D 9SUB/M/LED - Interface module



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## CABLE-D 9SUB/B/S/HF/S/ 2,0M - Cable

1066592

<https://www.phoenixcontact.com/us/products/1066592>



Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 9-position); connection 2: D-SUB pin strip (1x 9-position); cable length: 2 m

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## CABLE-D 9SUB/B/S/HF/S/ 3,0M - Cable

1066593

<https://www.phoenixcontact.com/us/products/1066593>



Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 9-position); connection 2: D-SUB pin strip (1x 9-position); cable length: 3 m

# VIP-2/SC/D 9SUB/M/LED - Interface module



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## CABLE-D 9SUB-B-S-HF-S/... - Cable

1075568

<https://www.phoenixcontact.com/us/products/1075568>



Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 9-position); connection 2: D-SUB pin strip (1x 9-position); cable length: variable

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## CABLE-D- 9SUB/F/OE/0,25/S/0,5M - Cable

2926014

<https://www.phoenixcontact.com/us/products/2926014>



Assembled shielded round cable; connection 1: Single wires (9-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB socket strip (1x 9-position); cable length: 0.5 m

# VIP-2/SC/D 9SUB/M/LED - Interface module



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## CABLE-D- 9SUB/F/OE/0,25/S/1,0M - Cable

2926027

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Assembled shielded round cable; connection 1: Single wires (9-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB socket strip (1x 9-position); cable length: 1 m

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## CABLE-D- 9SUB/F/OE/0,25/S/1,5M - Cable

2926030

<https://www.phoenixcontact.com/us/products/2926030>



Assembled shielded round cable; connection 1: Single wires (9-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB socket strip (1x 9-position); cable length: 1.5 m

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## CABLE-D- 9SUB/F/OE/0,25/S/2,0M - Cable

2926043

<https://www.phoenixcontact.com/us/products/2926043>



Assembled shielded round cable; connection 1: Single wires (9-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB socket strip (1x 9-position); cable length: 2 m

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## CABLE-D- 9SUB/F/OE/0,25/S/3,0M - Cable

2926056

<https://www.phoenixcontact.com/us/products/2926056>



Assembled shielded round cable; connection 1: Single wires (9-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB socket strip (1x 9-position); cable length: 3 m

# VIP-2/SC/D 9SUB/M/LED - Interface module



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## CABLE-D- 9SUB/F/OE/0,25/S/4,0M - Cable

2926069

<https://www.phoenixcontact.com/us/products/2926069>



Assembled shielded round cable; connection 1: Single wires (9-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB socket strip (1x 9-position); cable length: 4 m

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## CABLE-D- 9SUB/F/OE/0,25/S/6,0M - Cable

2926072

<https://www.phoenixcontact.com/us/products/2926072>



Assembled shielded round cable; connection 1: Single wires (9-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB socket strip (1x 9-position); cable length: 6 m

# VIP-2/SC/D 9SUB/M/LED - Interface module



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## CABLE-D- 9SUB-F-OE-0,25-S/... - Cable

2900903

<https://www.phoenixcontact.com/us/products/2900903>



Assembled shielded round cable; connection 1: Single wires (9-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB socket strip (1x 9-position); cable length: variable

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