

# VIP-2/SC/PDM-2/...

## VARIOFACE Professional for power distribution



### INTERFACE

Data Sheet  
2522\_en\_C

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#### 1 Description

Incorporating a contemporary industrial design, VARIOFACE Professional (VIP) offers a next-generation approach to power distribution.

The VIP-2/SC/PDM-2/16, VIP-2/SC/PDM-2/24, and VIP-2/SC/PDM-2/32 modules allow power distribution for two potentials, even in the smallest distributor box. The potentials are supplied with screw-connection terminal blocks capable of accommodating supply wires up to 10 AWG (4 mm<sup>2</sup>) and output wires up to 12 AWG (2.5 mm<sup>2</sup>). Terminals provide labeling for P1 and P2 or + and –.

To aid in device identification in the switch cabinet or distributor box, VARIOFACE Professional integrates a channel that can utilize the full range of ZB holders to provide flexible module marking options. VARIOFACE Professional also offers easy access to output wiring by providing marking on the screw connection surface. The module's single, rugged metal mounting foot moves along the length of the module, facilitating ease of installation and disconnection, and the added benefit of positioning the module for efficient wiring.

#### 2 Features

- Compact design reduces space requirements in the control cabinet or distributor box
- Output marking clearly identified when device is mounted
- Integrated ZB channel allows flexible marking of device
- A single, metal mounting foot allows easy installation and removal to the mounting rail
- Movable mounting foot allows flexible module positioning during wire installation



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This data sheet is valid for all products listed on the following page:

### 3 Ordering Data

#### Products

| Description  | Type              | Order No. | Pcs./Pkt |
|--|-------------------|-----------|----------|
| <b>VARIOFACE Professional</b> , with two common busbars for potential distribution, 2 power terminals, 8 distributor blocks  | VIP-2/SC/PDM-2/16 | 2315256   | 1        |
| <b>VARIOFACE Professional</b> , with two common busbars for potential distribution, 2 power terminals, 12 distributor blocks | VIP-2/SC/PDM-2/24 | 2315269   | 1        |
| <b>VARIOFACE Professional</b> , with two common busbars for potential distribution, 2 power terminals, 16 distributor blocks | VIP-2/SC/PDM-2/32 | 2315272   | 1        |

### 4 Technical Data

#### General Data

|   |                                   |
|---|-----------------------------------|
| Ambient temperature range (operating)         | -20 to 50°C                       |
| Ambient temperature range (storage/transport) | -20 to 70°C                       |
| Humidity, permissible                         | 95% non-condensing                |
| Altitude, maximum                             | 2000 m                            |
| Intended use                                  | Indoors                           |
| Pollution degree                              | 2                                 |
| Mounting                                      | NS 35 (EN 50022), any orientation |
| Surge voltage category (IEC, UL)              | III                               |
| Surge voltage category (CSA)                  | II                                |

#### Electrical Data

|   |             |
|---|-------------|
| Operating voltage, $U_N$                    | 250 V AC/DC |
| Nominal current, $I_N$ per branch (IEC)     | 15 A        |
| Nominal current, $I_N$ per branch (CSA, UL) | 12 A        |
| Total current (per potential)               | 30 A        |

#### Connection Data

|   |   |
|---|---|
| Connection type   | Screw   |
| Stripping length  | 8 mm  |
| Supply connection data (IEC) (solid/stranded/AWG)           | 0.2-6.0 mm <sup>2</sup> /0.2-4.0 mm <sup>2</sup> /24-10 AWG |
| Distribution connection data (UL, CSA) (solid/stranded/AWG) | 0.2-4.0 mm <sup>2</sup> /0.2-2.5 mm <sup>2</sup> /24-12 AWG |
| Screw thread  | M3  |
| Tightening torque   | 0.5-0.6 Nm  |

#### Conformance/Approval

|                        |                                    |
|------------------------|------------------------------------|
| Air creepage distances | DIN EN 50178, IEC 62103 (in parts) |
| UL/cUL                 | UL 508 (E238705)                   |
| CSA                    | 61010-01: 04                       |

## Dimensions

|                   | Width | Depth | Height |
|-------------------|-------|-------|--------|
| VIP-2/SC/PDM-2/16 | 50.0  | 50.0  | 65.5   |
| VIP-2/SC/PDM-2/24 | 70.4  | 50.0  | 65.5   |
| VIP-2/SC/PDM-2/32 | 90.8  | 50.0  | 65.5   |

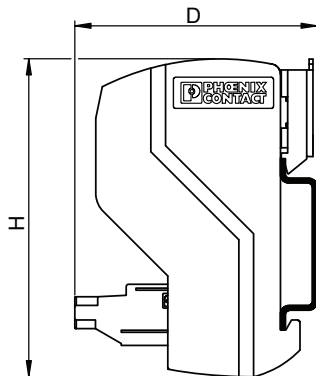


Figure 1 VIP-2/SC/PDM-2/... dimensions

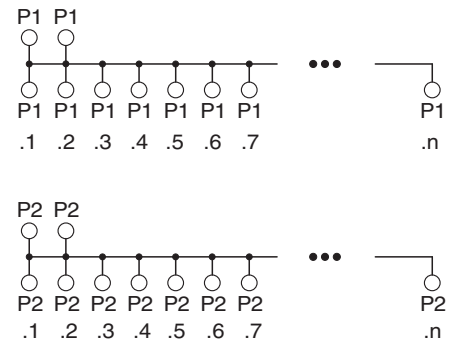


Figure 2 Circuit diagram