

## Passive module - VIP-3/SC/FLK14/8IM/LED/PLC - 2322265

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VARIOFACE sensor module, for connecting 8 pnp sensors, with LED

The illustration shows a version without LED

### Product Features

- Can be used for digital I/O modules
- With LED as an option
- Positive and negative connection per signal
- Byte-by-byte labeling



### Key Commercial Data

|                                      |               |
|--------------------------------------|---------------|
| Packing unit                         | 1 pc          |
| Weight per Piece (excluding packing) | 14.0 g        |
| Custom tariff number                 | 85369010      |
| Country of origin                    | United States |

### Technical data

#### Dimensions

|        |         |
|--------|---------|
| Width  | 52.3 mm |
| Height | 69 mm   |
| Depth  | 62 mm   |

#### Ambient conditions

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

#### General

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### Technical data

#### General

|                                                  |              |
|--------------------------------------------------|--------------|
| Max. perm. operating voltage                     | 24 V DC      |
| Max. perm. current (per branch)                  | 1 A          |
| Max. permissible current (separate power supply) | 3 A          |
| Number of positions                              | 14           |
| Status display                                   | LED          |
| Mounting position                                | any          |
| Standards/regulations                            | IEC 60664    |
|                                                  | DIN EN 50178 |
|                                                  | IEC 62103    |
| Rated surge voltage                              | 0.6 kV       |
| Degree of pollution                              | 2            |
| Overvoltage category                             | II           |

#### Connection data for connection 1

|                                  |                                             |
|----------------------------------|---------------------------------------------|
| Connection name                  | Field level                                 |
| Connection in acc. with standard | IEC / EN                                    |
| Connection method                | Screw connection                            |
| Stripping length                 | 8 mm                                        |
| Screw thread                     | M3                                          |
| 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                                   |

#### Connection data for connection 2

|                       |                             |
|-----------------------|-----------------------------|
| Connection name       | Controller level            |
| Connection method     | IDC/FLK pin strip (2.54 mm) |
| Number of connections | 1                           |
| Number of positions   | 14                          |

#### Supported controller

|                     |                            |
|---------------------|----------------------------|
| Controller          | ABB S800 I/O               |
| - suitable I/O card | DI810                      |
|                     | DI818                      |
|                     | DI830                      |
|                     | DI840                      |
|                     | DO810                      |
|                     | DO840                      |
| Controller          | ALLEN-BRADLEY ControlLogix |
| - suitable I/O card | 1756-IB32                  |

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#### Supported controller

|                     |                             |
|---------------------|-----------------------------|
|                     | 1756-OB32                   |
|                     | 1756-IB16                   |
|                     | 1756-OB16E                  |
| Controller          | ALLEN-BRADLEY PLC 5         |
| - suitable I/O card | 1771 IBN                    |
|                     | 1771 OBN                    |
| Controller          | ALLEN-BRADLEY SLC 500       |
| - suitable I/O card | 1746 OB16                   |
|                     | 1746 IB16                   |
|                     | 1746 ITB16                  |
|                     | 1746 IN16                   |
|                     | 1746 OB 32                  |
|                     | 1746 IB 32                  |
| Controller          | GE-FANUC 90-30              |
| - suitable I/O card | IC693 MDL241                |
|                     | IC693 MDL634                |
|                     | IC693 MDL634                |
|                     | IC693 MDL646                |
|                     | IC693 MDL732                |
|                     | IC693 MDL740                |
|                     | IC693 MDL742                |
| Controller          | GE-FANUC RX3i               |
| - suitable I/O card | IC694MDL754                 |
|                     | IC694MDL660                 |
| Controller          | HONEYWELL Experion PKS C200 |
| - suitable I/O card | TC-IDD 321                  |
|                     | TC-ODD 321                  |
| Controller          | MITSUBISHI MELSEC L         |
| - suitable I/O card | LX41C4                      |
|                     | LX42C4                      |
|                     | LY41NT1P                    |
|                     | LY42NT1P                    |
|                     | LY41PT1P                    |
|                     | LY42PT1P                    |
| Controller          | MITSUBISHI MELSEC Q         |
| - suitable I/O card | QX81                        |
|                     | QY81P                       |

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### Technical data

#### Supported controller

|                     |                                        |
|---------------------|----------------------------------------|
|                     | QX41                                   |
|                     | QX41-S1                                |
|                     | QX42                                   |
|                     | QX42-S1                                |
|                     | QY41P                                  |
|                     | QY42P                                  |
|                     | QH42P                                  |
|                     | QX82                                   |
|                     | QX82-S1                                |
|                     | QY82P                                  |
| Controller          | SIEMENS S7-300 / ET 200 M              |
| - suitable I/O card | CPU 313C-2DP                           |
|                     | CPU 314C-2DP                           |
|                     | CPU 314C-2PtP                          |
|                     | 6ES7 321-1BH02-0AA0                    |
|                     | 6ES7 321-1BL00-0AA0                    |
|                     | 6ES7 322-1BH01-0AA0                    |
|                     | 6ES7 322-1BL00-0AA0                    |
|                     | 6ES7 323-1BH01-0AA0                    |
|                     | 6ES7 323-1BL00-0AA0                    |
| Controller          | SIEMENS S7-400                         |
| - suitable I/O card | 6ES7 421-1BL01-0AA0                    |
|                     | 6ES7 422-1BL00-0AA0                    |
|                     | 6ES7 422-7BL00-0AB0                    |
| Controller          | Schneider Electric MODICON TSX QUANTUM |
| - suitable I/O card | DDI 353                                |
|                     | DDI 853                                |
|                     | DDO 353                                |

#### Standards and Regulations

|                                  |              |
|----------------------------------|--------------|
| Connection in acc. with standard | CUL          |
| Standards/regulations            | IEC 60664    |
|                                  | DIN EN 50178 |
|                                  | IEC 62103    |
| Degree of pollution              | 2            |
| Overvoltage category             | II           |

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### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27250313 |
| eCl@ss 4.1 | 27250313 |
| eCl@ss 5.0 | 27250313 |
| eCl@ss 5.1 | 27250313 |
| eCl@ss 6.0 | 27242608 |
| eCl@ss 7.0 | 27141152 |
| eCl@ss 8.0 | 27141152 |
| eCl@ss 9.0 | 27141152 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC001434 |
| ETIM 3.0 | EC001604 |
| ETIM 4.0 | EC001604 |
| ETIM 5.0 | EC002780 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211824 |
| UNSPSC 7.0901 | 39121421 |
| UNSPSC 11     | 39121421 |
| UNSPSC 12.01  | 39121421 |
| UNSPSC 13.2   | 39121421 |

### Approvals

#### Approvals

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##### Approvals

UL Recognized / cUL Recognized / CSA / EAC / EAC / EAC / cULus Recognized

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##### Ex Approvals

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##### Approvals submitted

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##### Approval details

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### Approvals

|                                                                                                 |       |
|-------------------------------------------------------------------------------------------------|-------|
| UL Recognized  |       |
| mm²/AWG/kcmil                                                                                   | 30-12 |
| Nominal current I <sub>N</sub>                                                                  | 1 A   |
| Nominal voltage U <sub>N</sub>                                                                  | 24 V  |

|                                                                                                  |       |
|--------------------------------------------------------------------------------------------------|-------|
| cUL Recognized  |       |
| mm²/AWG/kcmil                                                                                    | 30-12 |
| Nominal current I <sub>N</sub>                                                                   | 1 A   |
| Nominal voltage U <sub>N</sub>                                                                   | 24 V  |

|                                                                                         |       |
|-----------------------------------------------------------------------------------------|-------|
| CSA  |       |
| mm²/AWG/kcmil                                                                           | 28-12 |
| Nominal current I <sub>N</sub>                                                          | 1 A   |
| Nominal voltage U <sub>N</sub>                                                          | 24 V  |

|     |
|-----|
| EAC |
|-----|

|     |
|-----|
| EAC |
|-----|

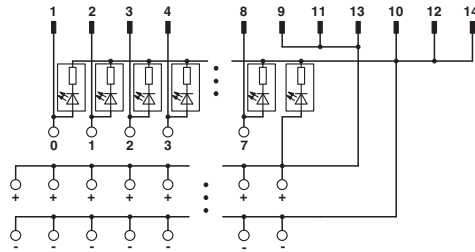
|     |
|-----|
| EAC |
|-----|

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

### Drawings

## Passive module - VIP-3/SC/FLK14/8IM/LED/PLC - 2322265

Circuit diagram



Connection scheme VIP-3/.../FLK14/8IM/LED/PLC