

# VIP-2/SC/2FLK14 (1-20) /S7 - Passive module



2315230

<https://www.phoenixcontact.com/us/products/2315230>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



VARIOFACE interface module for Siemens SIMATIC® S7-300, for max. 16 channels with SIMATIC®-specific labeling (1 - 20), with screw connection, module width: 80.6 mm

## Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 2315230             |
| Packing unit                         | 1 pc                |
| Minimum order quantity               | 1 pc                |
| Sales key                            | C423                |
| Product key                          | CK211S              |
| Catalog page                         | Page 507 (C-5-2019) |
| GTIN                                 | 4046356313070       |
| Weight per piece (including packing) | 157.6 g             |
| Weight per piece (excluding packing) | 150.4 g             |
| Customs tariff number                | 85366990            |
| Country of origin                    | US                  |

# VIP-2/SC/2FLK14 (1-20) /S7 - Passive module



2315230

<https://www.phoenixcontact.com/us/products/2315230>

## Technical data

### Product properties

|                     |                        |
|---------------------|------------------------|
| Product type        | Interface module       |
| Product family      | VARIOFACE Professional |
| Number of positions | 14                     |
| No. of channels     | 2                      |
|                     | 4                      |
|                     | 6                      |
|                     | 8                      |
|                     | 16                     |

### Data management status

|                  |    |
|------------------|----|
| Article revision | 10 |
|------------------|----|

### Insulation characteristics

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

### Electrical properties

|   |         |
|---|---------|
| Max. permissible operating voltage        | 25 V AC |
|   | 60 V DC |
| Max. current carrying capacity per branch | 1 A     |
| Rated surge voltage                       | 0.6 kV  |

### Supported controller SIEMENS S7-300 / ET 200 M

|                   |                    |
|-------------------|--------------------|
| Suitable I/O card | 6ES7321-1BH02-0AA0 |
|                   | 6ES7321-1BH10-0AA0 |
|                   | 6ES7321-1BH50-0AA0 |
|                   | 6ES7321-1BL00-0AA0 |
|                   | 6ES7321-7BH01-0AB0 |
|                   | 6ES7322-1BH01-0AA0 |
|                   | 6ES7322-1BH10-0AA0 |
|                   | 6ES7322-1BH10-0AA0 |
|                   | 6ES7322-1BL00-0AA0 |
|                   | 6ES7322-8BH01-0AB0 |
|                   | 6ES7322-8BH10-0AB0 |
|                   | 6ES7323-1BH01-0AA0 |
|                   | 6ES7323-1BL00-0AA0 |
|                   | 6ES7331-1KF01-0AB0 |
|                   | 6ES7331-1KF02-0AB0 |
|                   | 6ES7331-7HF01-0AB0 |
|                   | 6ES7331-7KB02-0AB0 |
|                   | 6ES7331-7KF02-0AB0 |
|                   | 6ES7331-7NF00-0AB0 |

# VIP-2/SC/2FLK14 (1-20) /S7 - Passive module



2315230

<https://www.phoenixcontact.com/us/products/2315230>

|  |                    |
|--|--------------------|
|  | 6ES7331-7NF10-0AB0 |
|  | 6ES7331-7PF01-0AB0 |
|  | 6ES7331-7PF11-0AB0 |
|  | 6ES7331-7TF01-0AB0 |
|  | 6ES7332-5HB01-0AB0 |
|  | 6ES7332-5HD01-0AB0 |
|  | 6ES7332-7ND02-0AB0 |
|  | 6ES7332-8TF01-0AB0 |
|  | 6ES7334-0CE01-0AA0 |
|  | 6ES7334-0KE00-0AB0 |
|  | 6ES7335-7HG01-0AB0 |
|  | 6ES7338-4BC01-0AB0 |
|  | 6ES7350-1AH03-0AE0 |
|  | 6ES7350-2AH01-0AE0 |
|  | 6ES7351-1AH01-0AE0 |
|  | 6ES7352-1AH02-0AE0 |
|  | 6ES7353-1AH01-0AE0 |
|  | 6ES7354-1AH01-0AE0 |
|  | 6ES7355-0VH10-0AE0 |
|  | 6ES7355-1VH10-0AE0 |
|  | 6ES7357-4AH01-0AE0 |
|  | CPU 313C           |
|  | CPU 313C-2DP       |
|  | CPU 313C-2PtP      |
|  | CPU 314C-2DP       |
|  | CPU 314C-2PtP      |

## Connection data

### Field level

|                                  |   |
|----------------------------------|---|
| Connection method                | Screw connection                            |
| Stripping length                 | 8 mm  |
| Screw thread                     | M 3   |
| 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     | IDC/FLK pin strip |
| Number of connections | 2                 |
| Number of positions   | 14                |
| Pitch                 | 2.54 mm           |

## Signaling

# VIP-2/SC/2FLK14 (1-20) /S7 - Passive module



2315230

<https://www.phoenixcontact.com/us/products/2315230>

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

## Dimensions

### Item dimensions

|        |         |
|--------|---------|
| Width  | 80.6 mm |
| Height | 65.5 mm |
| Depth  | 56 mm   |

## Material specifications

|                             |                             |
|-----------------------------|-----------------------------|
| Color                       | gray (RAL 7042)             |
| Housing insulation material | Polyamide PA non-reinforced |

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

## Drawings

### Circuit diagram



# VIP-2/SC/2FLK14 (1-20) /S7 - Passive module





2315230

<https://www.phoenixcontact.com/us/products/2315230>


## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2315230>

|  <b>CSA</b><br>Approval ID: 2122203 |                       |                       |                   |                             |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
|  | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|  | 125 V                 | 1 A                   | 30 - 12           | -                           |

|  <b>cUL Recognized</b><br>Approval ID: E238705 |                       |                       |                   |                             |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
|   | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|   | 125 V                 | 1 A                   | 30 - 12           | -                           |

|  <b>UL Recognized</b><br>Approval ID: E238705 |                       |                       |                   |                             |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
|   | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|   | 125 V                 | 1 A                   | 30 - 12           | -                           |

|  <b>CSAus</b><br>Approval ID: 2122203 |                       |                       |                   |                             |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
|  | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|  | 125 V                 | 1 A                   | 30 - 12           | -                           |

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

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

# VIP-2/SC/2FLK14 (1-20) /S7 - Passive module



2315230

<https://www.phoenixcontact.com/us/products/2315230>

## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

# VIP-2/SC/2FLK14 (1-20) /S7 - Passive module



2315230

<https://www.phoenixcontact.com/us/products/2315230>

## Environmental product compliance

### EU RoHS

|   |                    |
|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|---|--------------------|

### China RoHS

|  |  |
|--|--|
| Environment friendly use period (EFUP) | EFUP-E                                   |
|  | No hazardous substances above the limits |

### EU REACH SVHC

|                                     |                            |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

Phoenix Contact 2024 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)