

# VIP/S/MC/BASE 25-32/L/EX - Base module



2907025

<https://www.phoenixcontact.com/us/products/2907025>

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.



8-channel VIP I/O marshalling base element for universal use. All connections as screw connection technology. With the COMBICON connector, compatible with the Honeywell C300 and RUSIO series. Marking for channels 25–32.

## Your advantages

- Integrated carrier for IOA insertion and retention
- Screw-clamp field connections
- Two isolated power bus options
- Channels for marking accessories
- Integrated DIN rail ground foot
- Rugged metal DIN rail foot for ease of installation or removal from the rail
- Each channel has four connections (A, B, C, D) and multiple shield options
- Terminals for discrete wiring or cable connection

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 2907025                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | C480                           |
| Product key                          | DK115A                         |
| GTIN                                 | 4055626234380                  |
| Weight per piece (including packing) | 445.1 g                        |
| Weight per piece (excluding packing) | 445.1 g                        |
| Customs tariff number                | 85366990                       |
| Country of origin                    | US                             |

## Technical data

### Product properties

|                 |                     |
|-----------------|---------------------|
| Product type    | Module carrier      |
| Product family  | VIP I/O-Marshalling |
| No. of channels | 8                   |

### Electrical properties

|   |                                   |
|---|-----------------------------------|
| Max. operating voltage $U_{max}$          | 30 V DC (P2 and field terminals)  |
|   | 230 V AC (P2 and field terminals) |
|   | 30 V DC (P1 terminals)            |
|   | 30 V (X30 and X31 connectors)     |
| Max. permissible current                  | 15 A (P1 or P2 terminals)         |
| Max. permissible total current            | 15 A (per module)                 |
| Max. current carrying capacity per branch | 3 A (field signal)                |
|   | 1 A (control contacts)            |

### Connection data

#### Field level

|                                  |   |
|----------------------------------|---|
| Connection in acc. with standard | IEC / EN                                    |
| 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     | Pluggable screw connection |
| Number of connections | 2                          |
| Number of positions   | 9                          |

### Ex data

#### Safety data

|                     |                    |
|---------------------|--------------------|
| Input voltage $U_i$ | 30 V (per channel) |
| Input current $I_i$ | 1 A (per channel)  |
| Inductance $L_i$    | 0 mH               |
| Capacitance $C_i$   | 0 $\mu$ F          |

### Signaling

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

# VIP/S/MC/BASE 25-32/L/EX - Base module



2907025

<https://www.phoenixcontact.com/us/products/2907025>

## Dimensions

### Item dimensions

|        |          |
|--------|----------|
| Width  | 118.1 mm |
| Height | 102.7 mm |
| Depth  | 72.2 mm  |

## Material specifications

|       |                 |
|-------|-----------------|
| Color | gray (RAL 7042) |
|-------|-----------------|

## Environmental and real-life conditions

### Ambient conditions

|   |                               |
|---|-------------------------------|
| Degree of protection                    | IP20                          |
| Ambient temperature (operation)         | -40 °C ... 75 °C              |
| Ambient temperature (storage/transport) | -40 °C ... 75 °C              |
| Permissible humidity (operation)        | 0 % ... 95 % (non-condensing) |

## Approvals

### ATEX

|                |                                  |
|----------------|----------------------------------|
| Identification | Ex II 3G                         |
|                | Ex nA ic IIC T4 Gc               |
|                | Ex II 3G Ex nA ic IIC T4 Gc      |
|                | Ex II 3(3)G Ex nA [ic] IIC T4 Gc |
|                | Ex II (3)D [Ex ic Dc] IIIC       |
| Certificate    | Sira 16ATEX4260X                 |

### IECEX

|                |                         |
|----------------|-------------------------|
| Identification | Ex nA IIC T4 Gc         |
|                | Ex nA ic IIC T4 Gc      |
|                | Ex nA [ic] IIC T4 Gc    |
|                | [Ex ic Dc] IIIC         |
|                | Ex nA [ia Ga] IIC T4 Gc |
|                | [Ex ia Da] IIIC         |
| Certificate    | IECEX SIR 16.0088X      |

### FM

|                |   |
|----------------|---|
| Identification | FM 3600   |
|                | FM 3611   |
|                | FM 3810   |
|                | Class I, Zone 2, AEx nA ic IIC T4 Gc  |
|                | AEx nA IIC T4 Gc  |
|                | Nonincendive: Class I, Div. 2, Groups A, B, C, D T4                         |
|                | With connection to Class I, II, and III, Div. 2, Groups A, B, C, D, E, F, G |
|                |   |

# VIP/S/MC/BASE 25-32/L/EX - Base module



2907025

<https://www.phoenixcontact.com/us/products/2907025>

## CSA, Canada

|                |   |
|----------------|---|
| Identification | Ex nA ic IIC T4 Gc  |
|                | Ex nA IIC T4 Gc   |
|                | Nonincendive: Class I, Div. 2, Groups A, B, C, D T4                         |
|                | With connection to Class I, II, and III, Div. 2, Groups A, B, C, D, E, F, G |

## ANSI/ISA

|                |                   |
|----------------|-------------------|
| Identification | ANSI/ISA 60079-0  |
|                | ANSI/ISA 60079-11 |
|                | ANSI/ISA 60079-15 |

## ANSI/IEC

|                |                |
|----------------|----------------|
| Identification | ANSI/IEC 60529 |
|----------------|----------------|

## Corrosive gas test

|                |                                  |
|----------------|----------------------------------|
| Identification | ISA S71.04.2013 G3 Harsh Group A |
|----------------|----------------------------------|

## Ex data

|             |  |
|-------------|--|
| ATEX        | Sira 16ATEX4260X; Ex II 3G<br>Ex nA ic IIC T4 Gc; Ex II 3G Ex nA ic IIC T4 Gc<br>Ex II 3(3)G Ex nA [ic] IIC T4 Gc; Ex II (3)D [Ex ic Dc] IIIC  |
| IECEX       | IECEX SIR 16.0088X<br>Ex nA IIC T4 Gc; Ex nA ic IIC T4 Gc; Ex nA [ic] IIC T4 Gc; [Ex ic Dc] IIIC<br>Ex nA [ia Ga] IIC T4 Gc; [Ex ia Da] IIIC   |
| FM approval | Class I, Zone 2, AEx nA ic IIC T4 Gc; AEx nA IIC T4 Gc<br>Nonincendive: Class I, Div. 2, Groups A, B, C, D T4<br>With connection to Class I, II, and III, Div. 2, Groups A, B, C, D, E, F, G |

## Standards and regulations

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

## Mounting

|                   |  |
|-------------------|--|
| Mounting type     | DIN rail mounting                                  |
| Mounting position | As desired on 35 mm DIN rail in acc. with EN 60715 |

# VIP/S/MC/BASE 25-32/L/EX - Base module

2907025

<https://www.phoenixcontact.com/us/products/2907025>



## Drawings

Dimensional drawing



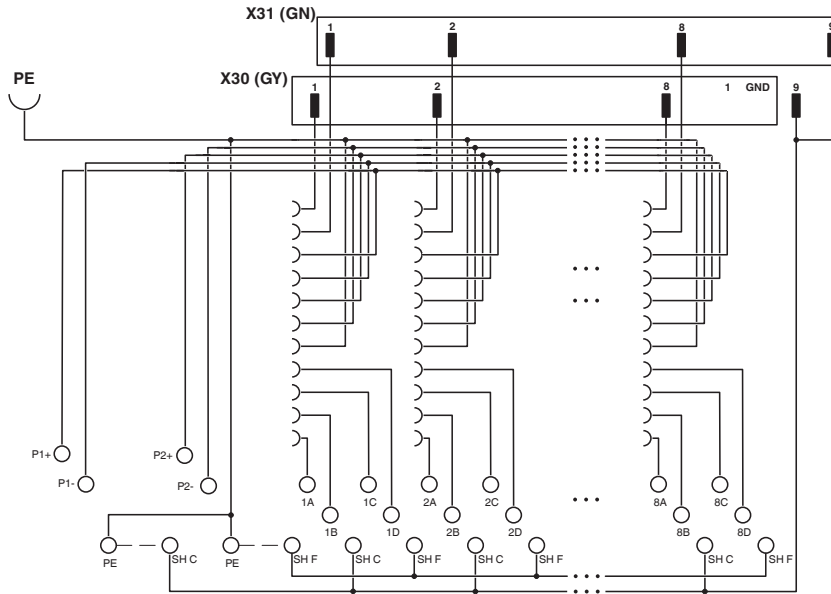
# VIP/S/MC/BASE 25-32/L/EX - Base module

2907025

<https://www.phoenixcontact.com/us/products/2907025>



Circuit diagram



# VIP/S/MC/BASE 25-32/L/EX - Base module



2907025

<https://www.phoenixcontact.com/us/products/2907025>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2907025>



**IECEx**

Approval ID: IECEx SIR 16.0088X



**CSA**

Approval ID: 70050511



**CSAus**

Approval ID: 70050511



**ATEX**

Approval ID: SIRA 16ATEX4260X

# VIP/S/MC/BASE 25-32/L/EX - Base module



2907025

<https://www.phoenixcontact.com/us/products/2907025>

## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27141152 |
| ECLASS-15.0 | 27141152 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC002780 |
|-----------|----------|

### UNSPSC

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

# VIP/S/MC/BASE 25-32/L/EX - Base module



2907025

<https://www.phoenixcontact.com/us/products/2907025>

## 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 2026 © - 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)