# VIP/S/MC/BASE 9-16/L/EX - Base module

2906630

https://www.phoenixcontact.com/us/products/2906630

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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 9–16.

## 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 | 2906630 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | C480 |
| Product key | DK115A |
| GTIN | 4055626184623 |
| Weight per piece (including packing) | 444.2 g |
| Weight per piece (excluding packing) | 414.6 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 | M3 |
| Conductor cross-section rigid | 0.2 mm² ... 4 mm² |
| Conductor cross-section flexible | 0.2 mm² ... 2.5 mm² |
| 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 Li | 0 mH |
| Capacitance Ci | 0 µF |

## Signaling

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

## 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 |

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

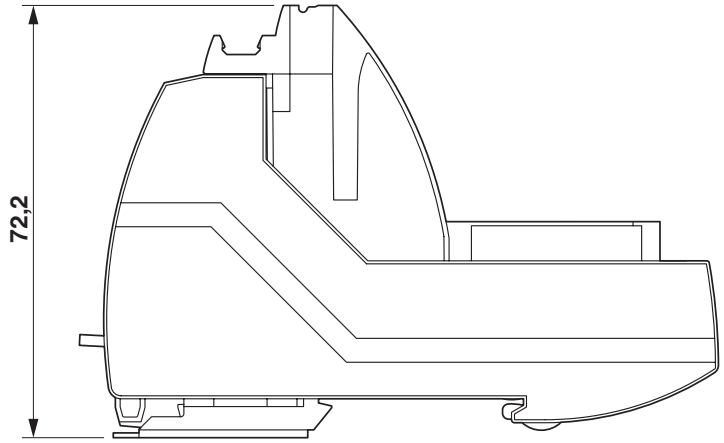
| | |
|---|---|
| Standards/regulations | IEC 60664 |
| | DIN EN 50178 |

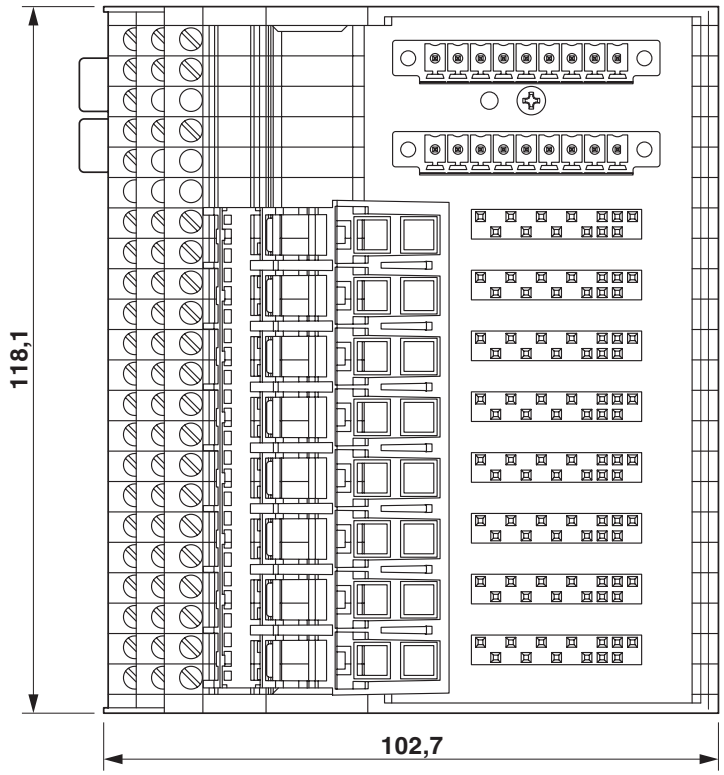
## Mounting

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

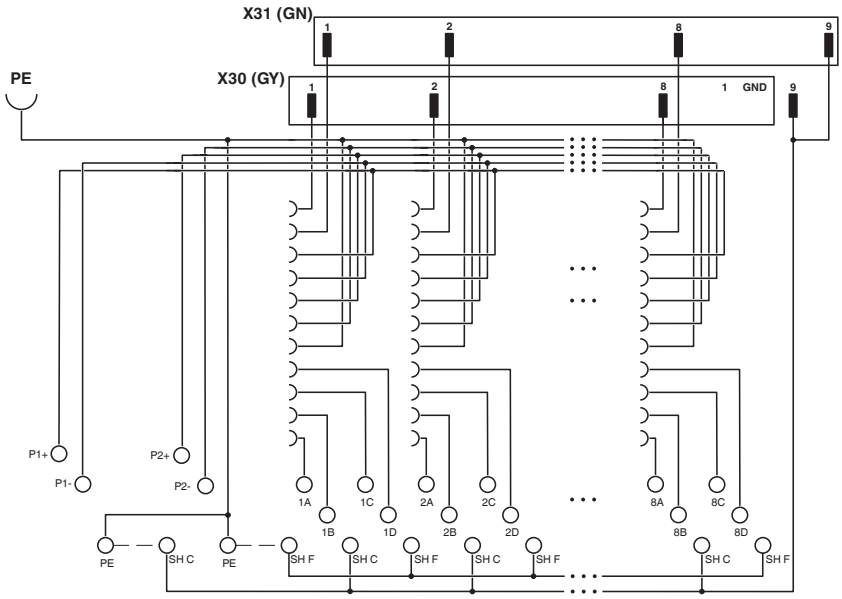
## Drawings

Dimensional drawing



## Circuit diagram



## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2906630

**Functional Safety**
Approval ID: PHO 1609035 C001

**IECEx**
Approval ID: IECEx SIR 16.0088X

**CSA**
Approval ID: 2431647

**FM approved**
Approval ID: FM 16USUS0155X

**CSAus**
Approval ID: 2431647

**ATEX**
Approval ID: Sira 16ATEX4260X

## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

## Environmental product compliance

EU RoHS

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

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.) | No substance above 0.1 wt% |

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