

# VIP/S/MC/BASE 1-8/L/C/EX - Base module



2907186

<https://www.phoenixcontact.com/us/products/2907186>

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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 1–8 and painting.

## Your advantages

- Integrated carrier for IOA insertion and retention
- Screw-clamp field connections
- Conformal coating of PCB
- 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	2907186
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C480
Product key	DK115A
GTIN	4055626239392
Weight per piece (including packing)	443.6 g
Weight per piece (excluding packing)	443.6 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	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

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## Dimensions

### Item dimensions

Width	118.1 mm
Height	102.7 mm
Depth	72.2 mm

## Material specifications

Color	gray (RAL 7042)
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## 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

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## 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
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## Corrosive gas test

Identification	ISA S71.04.2013 G3 Harsh Group A
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## Ex data

ATEX	Sira 16ATEX4260X; 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
IECEX	IECEX SIR 16.0088X 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
FM approval	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

## 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 1-8/L/C/EX - Base module

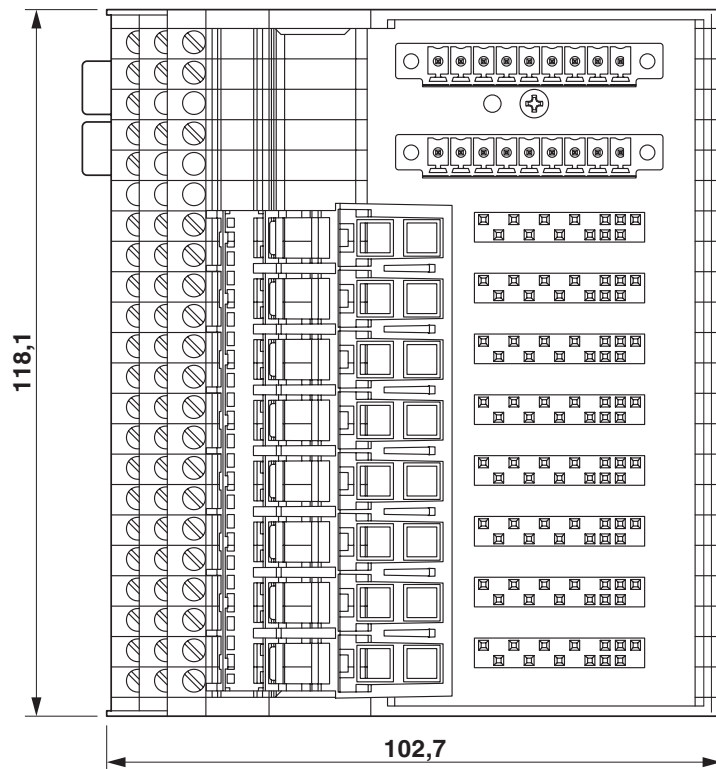
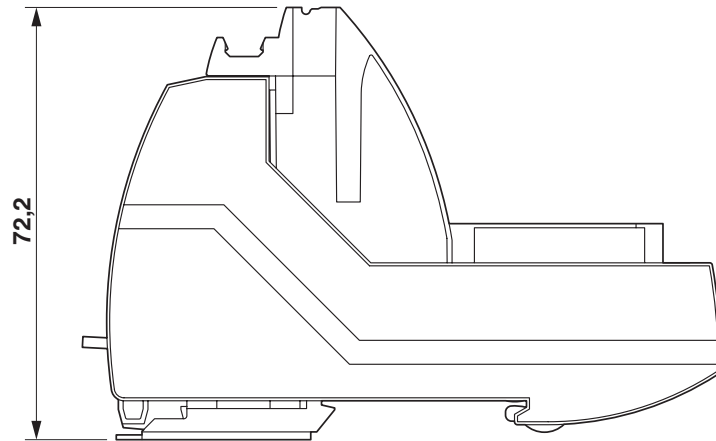


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## Drawings

Dimensional drawing



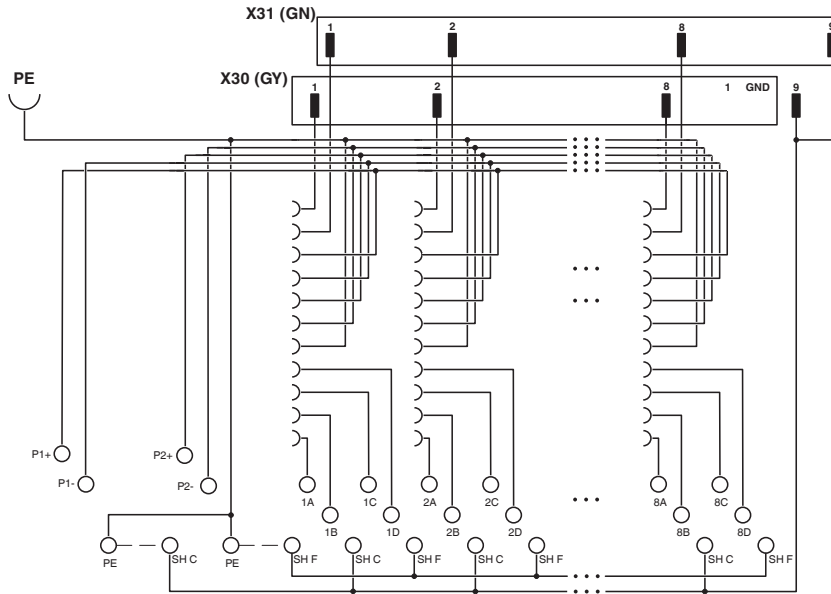
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Circuit diagram



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2907186>

### 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

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## Classifications

### ECLASS

ECLASS-13.0	27141152
ECLASS-15.0	27141152

### ETIM

ETIM 10.0	EC002780
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### 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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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)