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

2906596

https://www.phoenixcontact.com/us/products/2906596

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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.

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	2906596
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C480
Product key	DK115A
GTIN	4055626184616
Weight per piece (including packing)	443.5 g
Weight per piece (excluding packing)	406.7 g
Customs tariff number	85366990
Country of origin	US

Technical data

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.

Product properties

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

Insulation characteristics

Overvoltage category	II, III
Pollution degree	2

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
Safety-related maximum voltage U_m	253 V AC

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
Altitude	< 2000 m
Permissible humidity (operation)	0 % ... 95 % (non-condensing)

Approvals

ATEX

Identification	Ⓔx II 3G Ex ec IIC T4 Gc
Certificate	JSHP 24ATEX0052X

IECEx

Identification	Ex ec IIC T4 Gc
Certificate	IECEx JSH 24.0013X

UKEX

Identification	Ⓔx II 3G Ex ec IIC T4 Gc
Certificate	PxCIF23UKEX2906596X

CSA, USA/Canada

Identification	Class I, Div. 2, Groups A, B, C, D T4
	Class I, Zone 2, AEx nA IIC T4 Gc

	Ex nA IIC T4 Gc

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 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

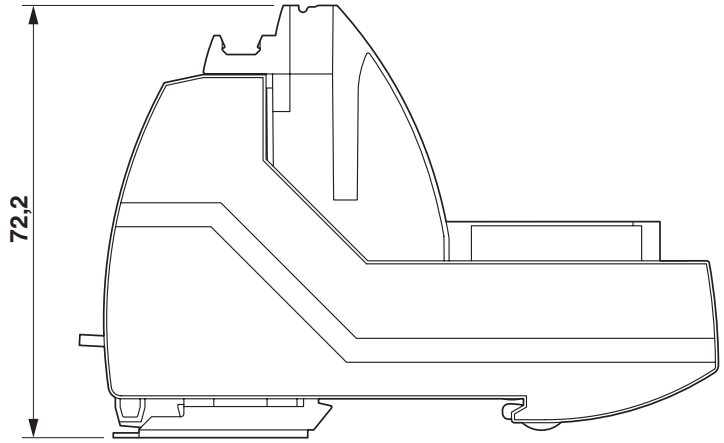
Standards/regulations	IEC 60664
	DIN EN 50178

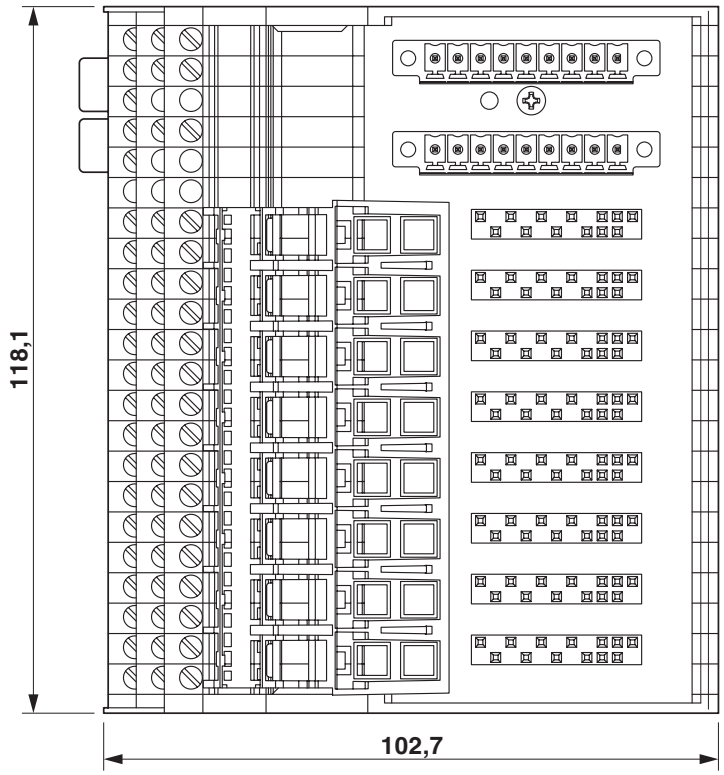
Mounting

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

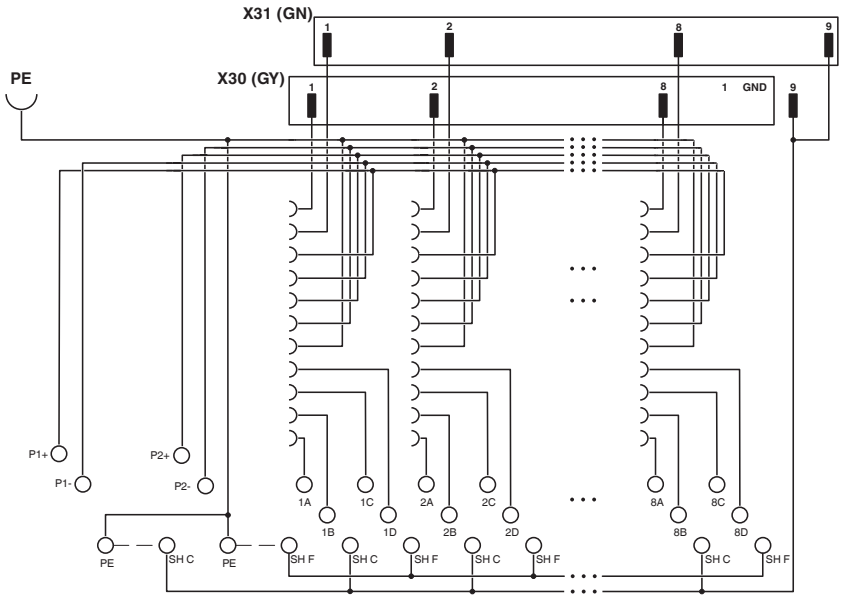
Drawings

Dimensional drawing





Circuit diagram



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2906596

IECEx
Approval ID: IECEx_JSH_24.0013X

CSA
Approval ID: 70050511

CSAus
Approval ID: 70050511

ATEX
Approval ID: JSHP 24 ATEX 0052X

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-E
	No hazardous substances above the limits

EU REACH SVHC

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

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