

VIP/S/D25M/BASE 1-8/L/C/EX - Base module



2906595

<https://www.phoenixcontact.com/us/products/2906595>

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8-channel VIP I/O marshalling base element for universal use. All connections as screw connection technology. This module with the D-SUB 25 connector is pin compatible with the Foxboro I/A series DCS.

Your advantages

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

Commercial data

Item number	2906595
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C480
Product key	CK8112
Catalog page	Page 552 (C-5-2017)
GTIN	4055626184609
Weight per piece (including packing)	442.3 g
Weight per piece (excluding packing)	442.3 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

Data management status

Article revision	17
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Insulation characteristics

Overvoltage category	II
Pollution degree	2

Electrical properties

Max. operating voltage U_{\max}	30 V DC (field terminals)
	230 V AC (field terminals)
	30 V DC (A and B terminals)
	30 V DC (D-SUB 25 connector)
Max. permissible current	4 A (A and B 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 mm ² ... 4 mm ²
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross section AWG	24 ... 12
Tightening torque	0.5 Nm ... 0.6 Nm

Controller level

Connection method	D-SUB 25
Number of connections	1
Number of positions	25
Tightening torque	0.3 Nm ... 0.34 Nm

Power-level terminals

Connection method	Screw connection
Number of connections	2
Conductor cross section rigid	0.14 mm ² ... 2.5 mm ²

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Conductor cross section flexible	0.14 mm ² ... 2.5 mm ²
Conductor cross section AWG	26 ... 14
Tightening torque	0.5 Nm ... 0.6 Nm

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 µF
Safety-related maximum voltage U _m	253 V AC/DC (A and B terminals and D-SUB 25)

Signaling

Status display	no
Status display present	No

Dimensions

Item dimensions

Width	123.1 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
Altitude	< 2000 mm
Permissible humidity (operation)	0 % ... 95 % (non-condensing)

Approvals

ATEX

Identification	Ex II 3G Ex nA IIC T4 Gc
Certificate	Sira 17ATEX4367X

IECEX

Identification	Ex nA IIC T4 Gc
Certificate	IECEX SIR 17.0086X

UKEX

Identification	Ex II 3G Ex nA IIC T4 Gc
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Certificate	PxCIF23UKEX2906595X
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UL, USA/Canada

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

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

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

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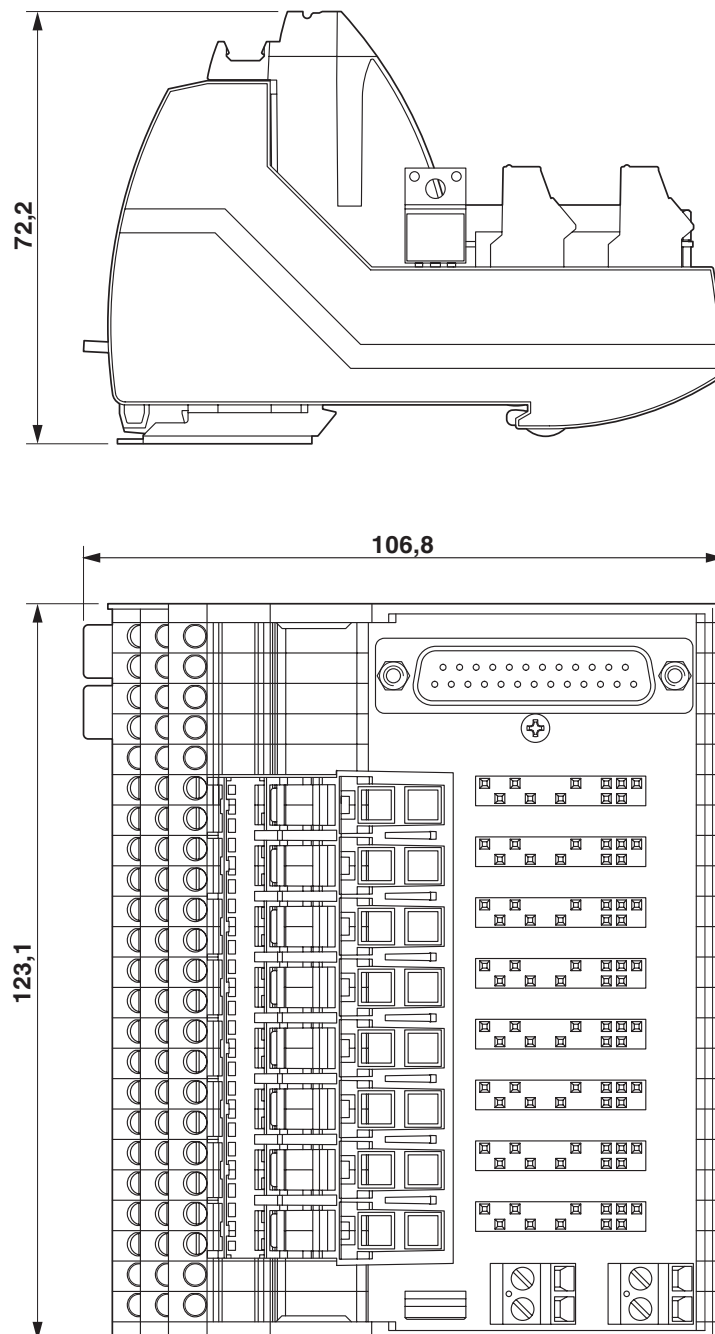
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Drawings

Dimensional drawing



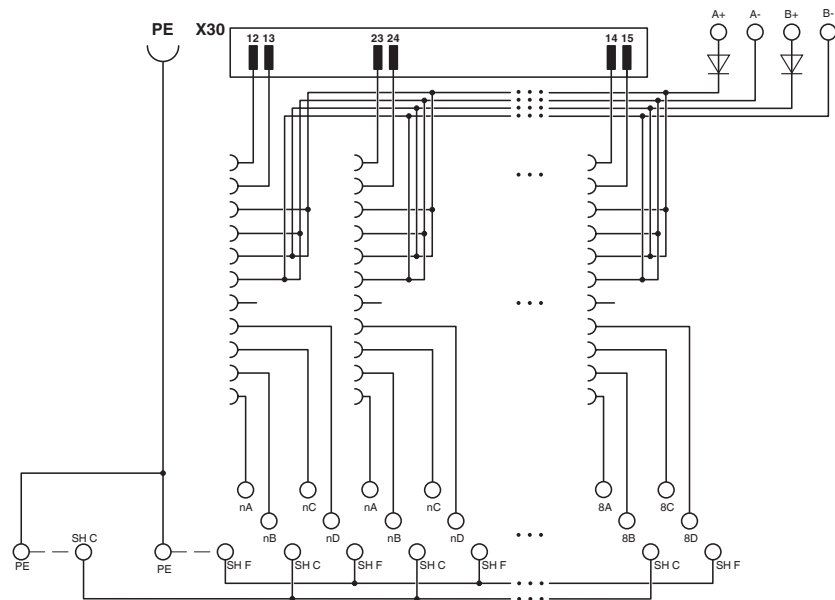
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Circuit diagram



VIP/S/D25M/BASE 1-8/L/C/EX - Base module



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Approvals

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IECEx

Approval ID: IECEx SIR 17.0086X



ATEX

Approval ID: SIRA 17ATEX4367X



CSA

Approval ID: 70123589



CSAus

Approval ID: 70123589



cUL Listed

Approval ID: E196811



UL Listed

Approval ID: E196811

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Classifications

ECLASS

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

ETIM

ETIM 9.0	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
Exemption	6(c), 7(a)
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.)	Lead(CAS: 7439-92-1)
SCIP	8da7faee-f0e6-4bc9-b684-22712f381589

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