

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	DK115A
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

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
Conductor cross-section flexible	0.14 mm ² ... 2.5 mm ²
Conductor cross-section AWG	26 ... 14

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Tightening torque	0.5 Nm ... 0.6 Nm
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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 μ F
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	⊕ II 3G Ex ec IIC T4 Gc
Certificate	JSHP 24ATEX0050X

IECEX

Identification	Ex ec IIC T4 Gc
Certificate	IECEX JSH 24.0012X

UKEX

Identification	⊕ II 3G Ex ec IIC T4 Gc
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

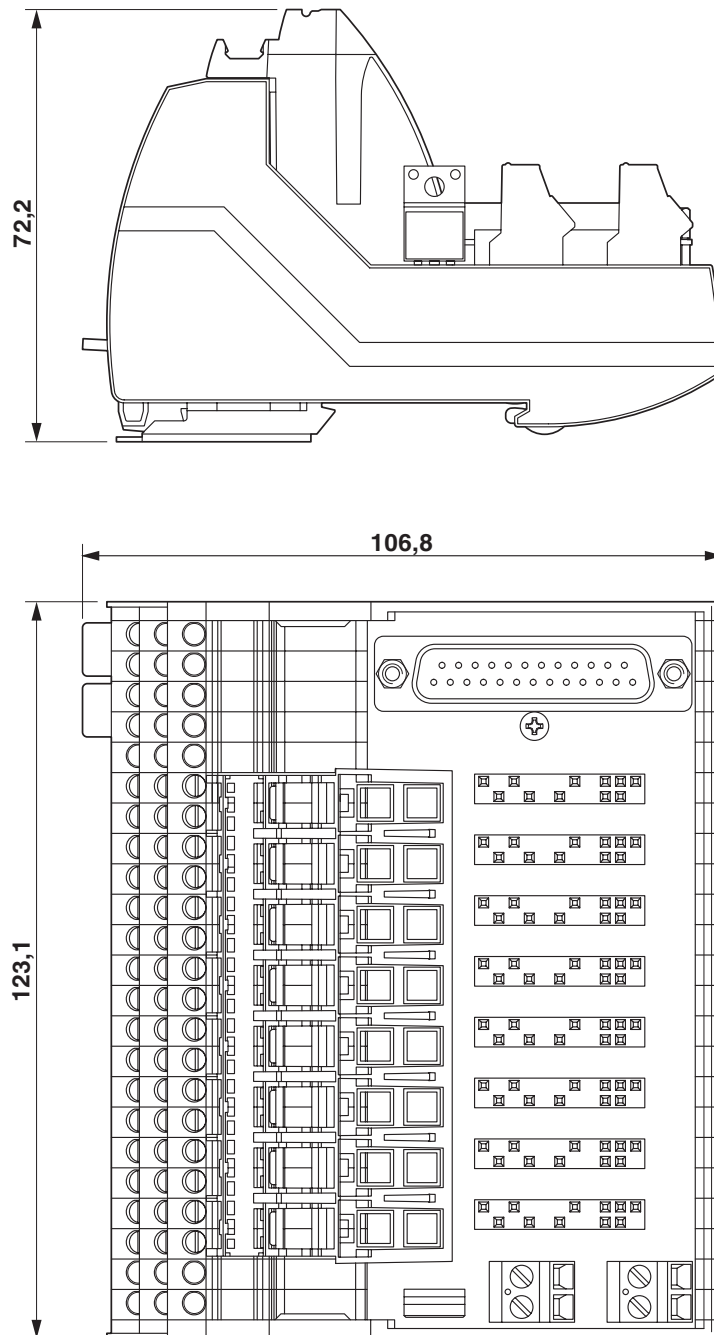
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Drawings

Dimensional drawing



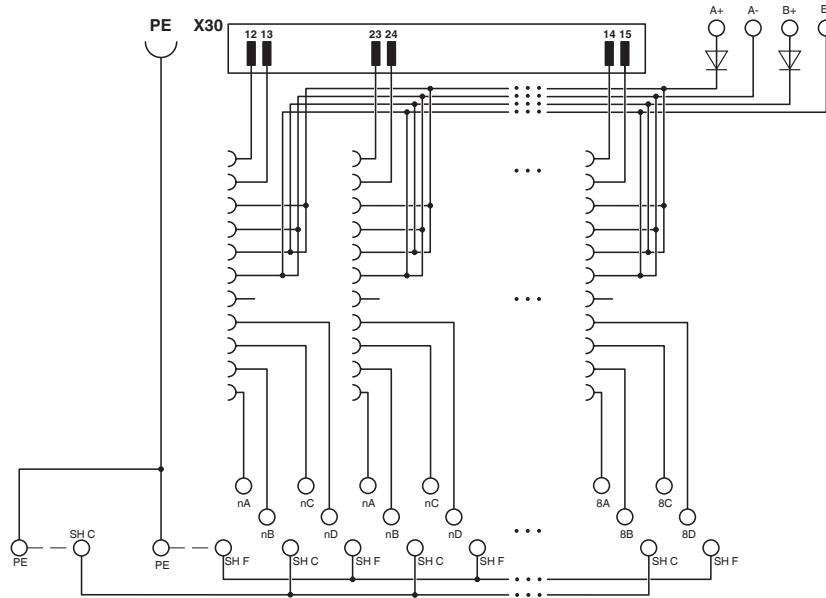
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Circuit diagram



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Approvals

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IECEx

Approval ID: IECEx JSH 24.0012X



CSA

Approval ID: 70123589



CSAus

Approval ID: 70123589



cUL Listed

Approval ID: E196811



UL Listed

Approval ID: E196811

ATEX

Approval ID: JSHP 24 ATEX 0050X

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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
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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