

# 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

Operating voltage $U_{max}$	$\leq 30$ V DC (field terminals)
	$\leq 230$ V AC (field terminals)
	$\leq 30$ V DC (A and B terminals)
	$\leq 30$ V DC (D-SUB 25 connector)
	$\leq$
Current (per branch)	$\leq 3$ A (field signal)
	$\leq 1$ A (control contacts)
Current ()	4 A
Current ()	15 A

### 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 <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	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 <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section flexible	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>

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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 $\mu$ 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

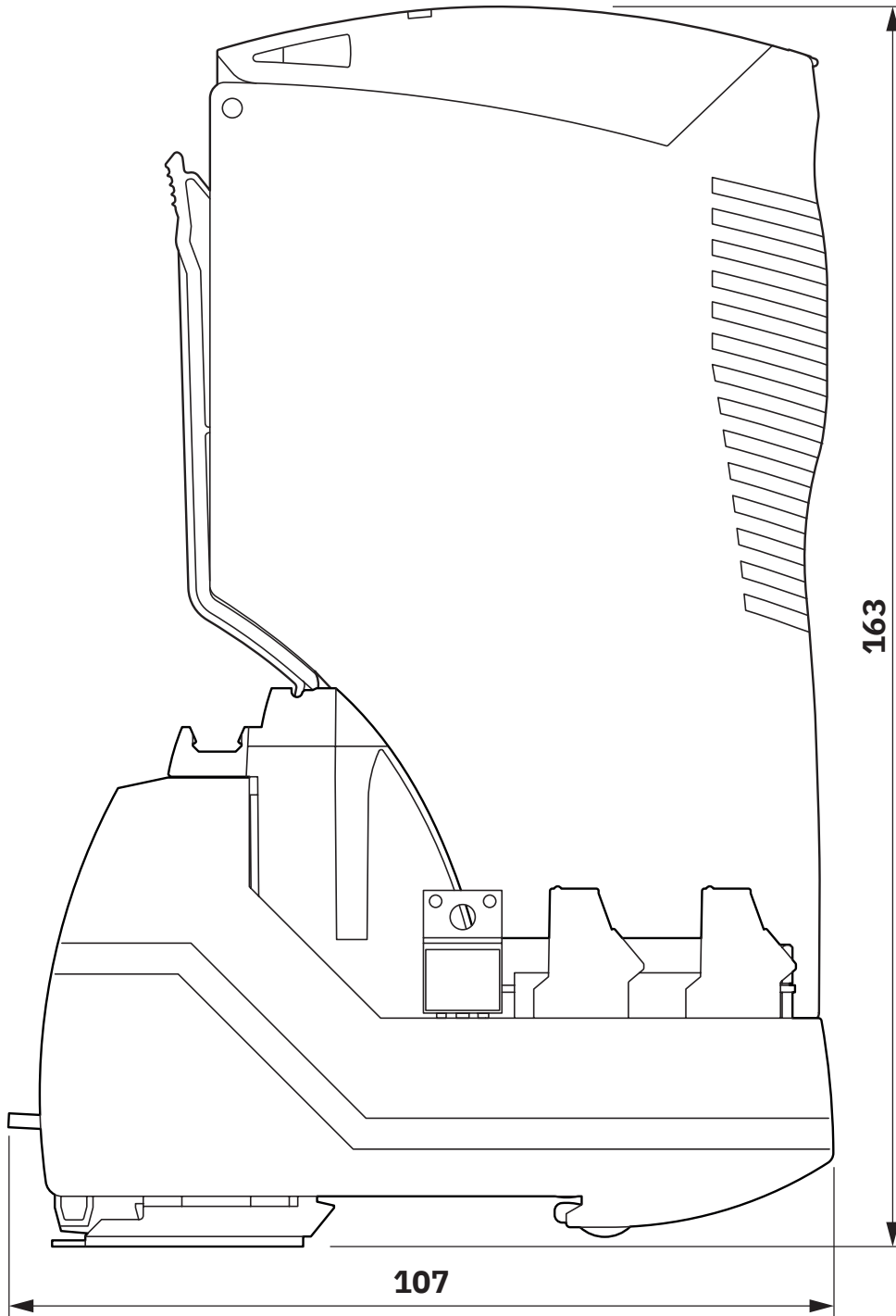
Standards/regulations	IEC 60664
	DIN EN 50178

## Mounting

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

Drawings

Dimensional drawing



Termination board including IOA and accessories

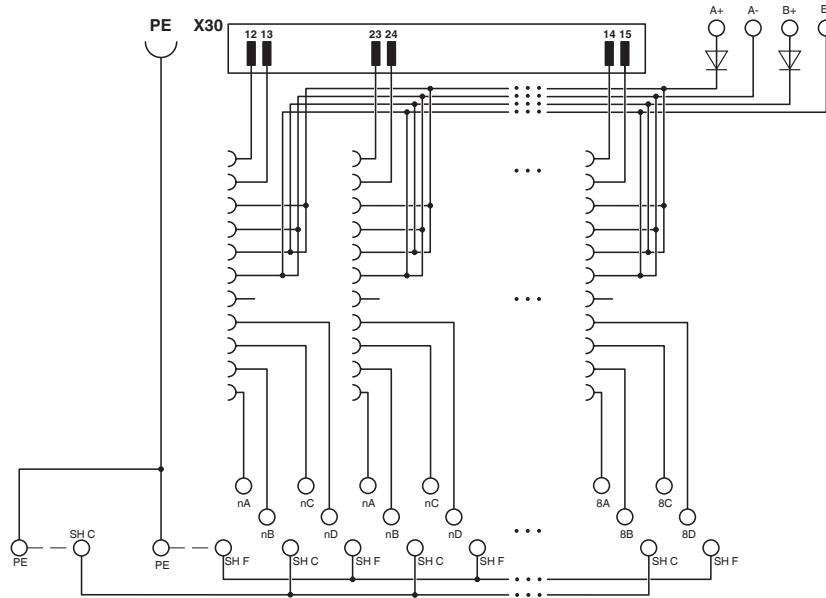
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Circuit diagram



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



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## Approvals

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**IECEX**

Approval ID: IECEX 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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