

# VIP/MSTB/D50M/BASE/16CH/CX/EX - Base module



2908788

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16-channel VIP I/O marshalling base element for universal use. Plug-in field and supply terminals available as accessories. With Push-in connection technology. Compatible with the Tricon CX DCS series (D-SUB 50).

## Your advantages

- Integrated carrier for IOA insertion and retention
- Screw and push-in (PT) plug kits available as separate part numbers
- Terminals for redundant power supply connections with fusing
- Each channel has four field-side connections (A, B, C, D)
- IOA modules sold separately

## Commercial data

Item number	2908788
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C480
Product key	DK115A
GTIN	4055626477992
Weight per piece (including packing)	755.5 g
Weight per piece (excluding packing)	730.7 g
Customs tariff number	85366990
Country of origin	CN

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## Technical data

### Product properties

Product type	Module carrier
Product family	VIP I/O-Marshalling
No. of channels	16

### Insulation characteristics

Overvoltage category	II, III
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 50 connector)
	$\leq$
Current (per branch)	$\leq 3$ A (field signal)
	$\leq 0.5$ A (control contacts)
Current ()	3 A
Current ()	10 A

### Connection data

#### Field level

Connection in acc. with standard	IEC / EN
Connection method	pluggable
Number of connections	4
Number of positions	16

#### Controller level

Connection method	D-SUB pin strip
Number of connections	1
Number of positions	50

### Ex data

#### Safety data

Input voltage $U_i$	30 V (per channel)
Input current $I_i$	0.5 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 50)

### Signaling

Status display	no
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Status display present	no
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## Dimensions

### Item dimensions

Width	250 mm
Height	142.3 mm
Depth	78 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 ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Altitude	< 2000 m
Permissible humidity (operation)	0 % ... 95 % (non-condensing)

## Approvals

### ATEX

Identification	⊕ II 3G Ex ec IIC T4 Gc
Certificate	JSHP 24ATEX0051X

### IECEX

Identification	Ex ec IIC T4 Gc
Certificate	IECEX JSH 24.0014X

### UKEX

Identification	⊕ II 3G Ex ec IIC T4 Gc
Certificate	PxCIF23UKEX2908788X

### CCC/China Ex

Identification	Ex ec IIC T4 Gc
Certificate	2025122308124416

### 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

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## Mounting

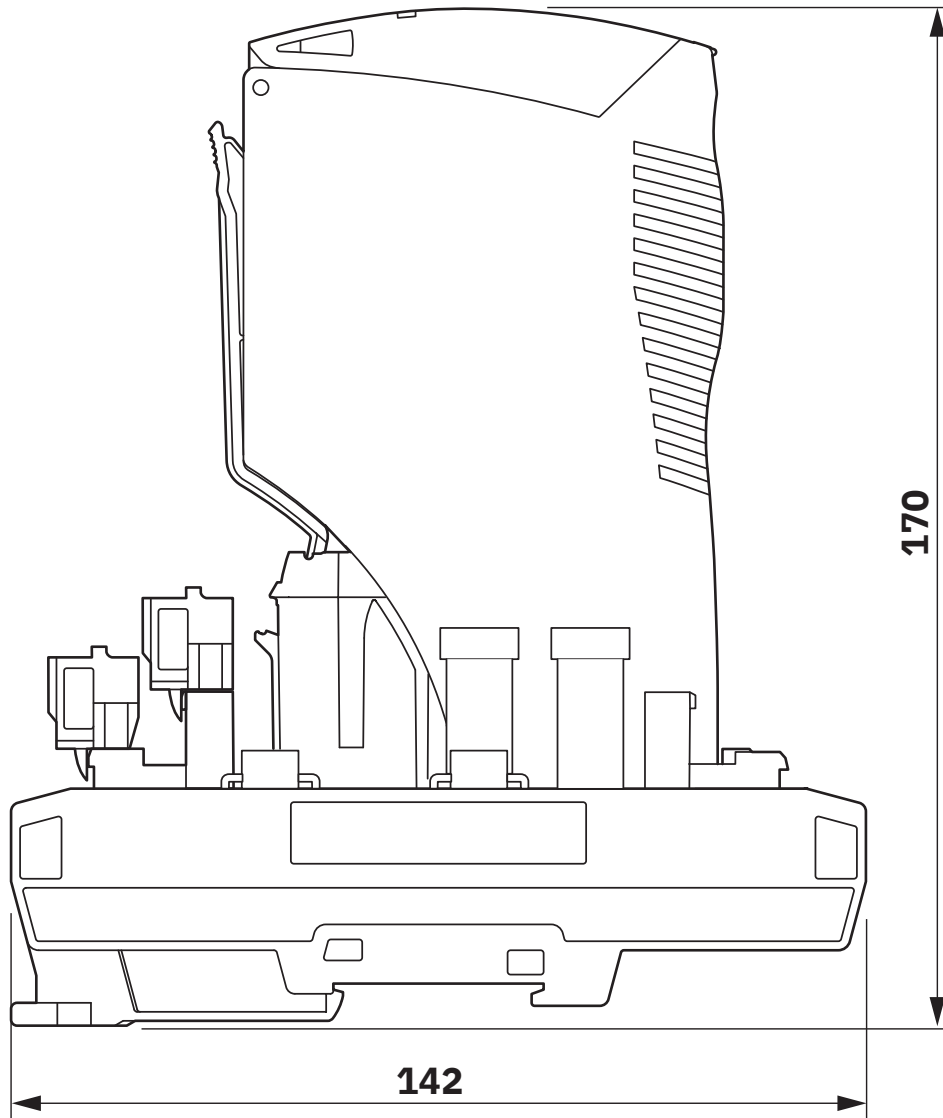
Mounting type	DIN rail mounting
Mounting position	As desired on 35 mm DIN rail in acc. with EN 60715

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Drawings

Dimensional drawing



Termination board including IOA and accessories

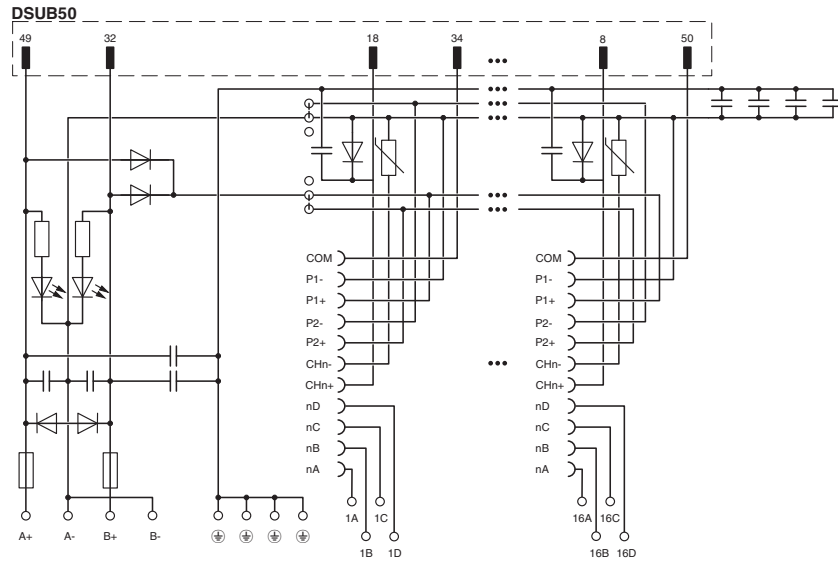
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## Circuit diagram



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## Approvals

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**IECEX**

Approval ID: IECEX JSH 24.0014X



**CSA**

Approval ID: 70167152



**CSAus**

Approval ID: 70167152



**CCC**

Approval ID: 2025122308124416

**ATEX**

Approval ID: JSHP 24ATEX 0051X

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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), 7(c)-I

### 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	9094823a-fcc5-4004-b761-5a5bb4b29c28

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