

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



2908788

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

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 50 connector)
Max. permissible current	3 A (A and B terminals)
Max. permissible total current	10 A (per module)
Max. current carrying capacity per branch	3 A (field signal)
	0.5 A (control contacts)

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 μ F
Safety-related maximum voltage U_m	253 V AC/DC (A and B terminals and D-SUB 50)

Signaling

Status display	no
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

Mounting

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



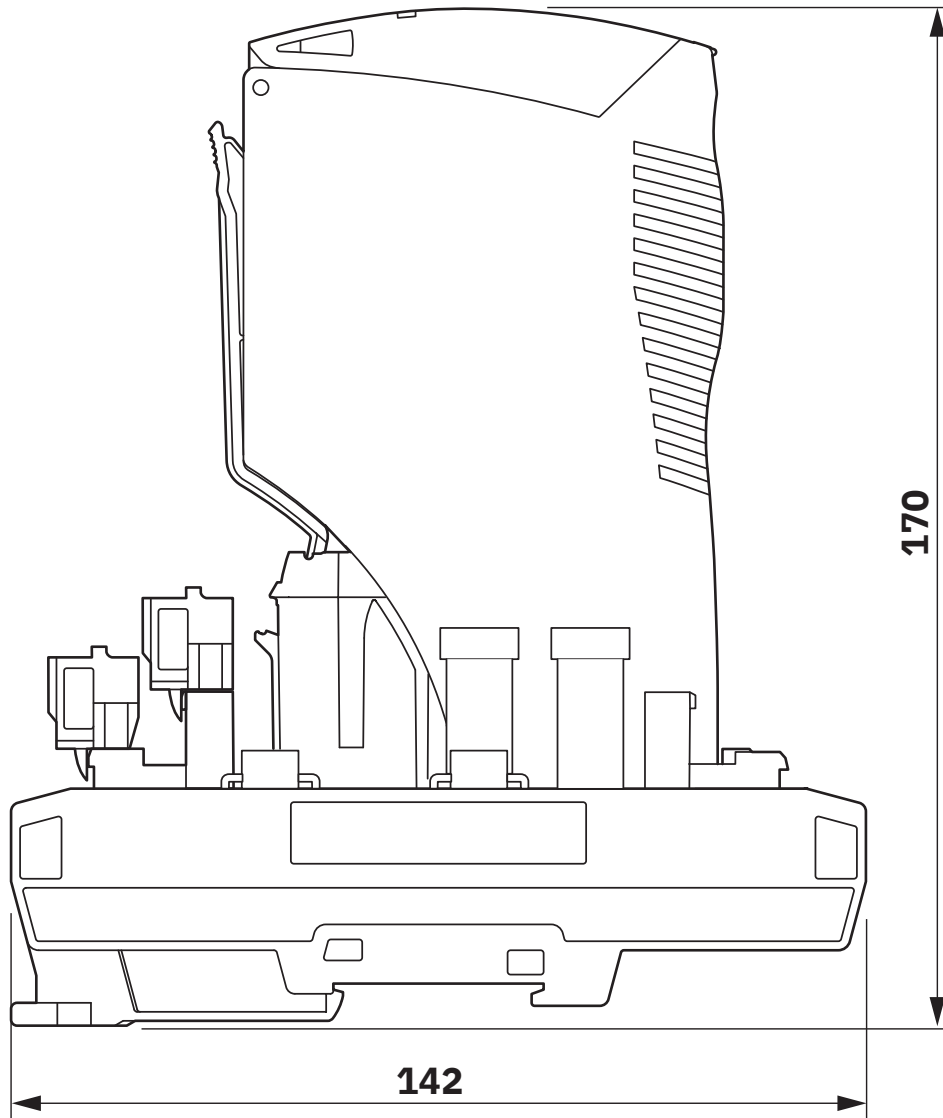
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Mounting type	DIN rail mounting
Mounting position	As desired on 35 mm DIN rail in acc. with EN 60715

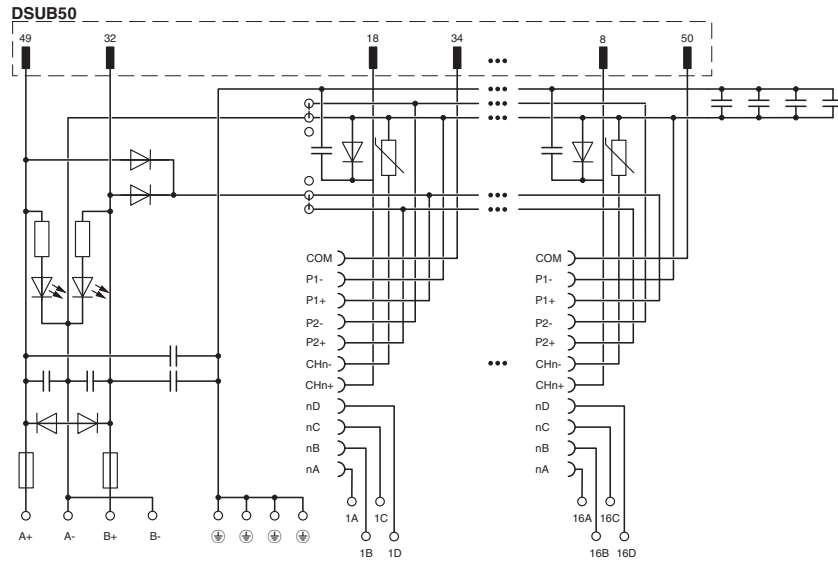
Drawings

Dimensional drawing



Termination board including IOA and accessories

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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