

Base module - VIP/S/D25M/BASE 1-8/L/C/EX - 2906595

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VIP base module with input/output accessories (IOA) provide universal channel configuration. This module with the D-SUB 25 connector is pin compatible to 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



Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 184609
GTIN	4055626184609

Technical data

Dimensions

Width	123.1 mm
Height	102.7 mm
Depth	72.2 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 75 °C
Ambient temperature (storage/transport)	-40 °C ... 75 °C
Permissible humidity (operation)	0 % ... 95 % (non-condensing)
Degree of protection	IP20

General

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Technical data

General

Max. operating voltage $U_{\max}$	30 V DC (field terminals)
Max. operating voltage	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. perm. current (per branch)	3 A (field signal)
	1 A (control contacts)
Max. permissible current	4 A (A and B terminals)
Max. permissible total current	15 A (per module)
Status display	No
Mounting position	As desired on 35 mm DIN rail in acc. with EN 60715

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
ATEX	Sira 17ATEX4367X Ex II 3G Ex nA IIC T4 Gc; Ex II (3)G [Ex ic Gc] IIC; Ex II (3)D [Ex ic Dc] IIIC Ex II 3(3)G Ex nA [ic] IIC T4 Gc; Ex II (3)D [Ex ic Dc] IIIC Sira 18ATEX2007X Ex II 3(1)G Ex nA [ia Ga] IIC T4 Gc; Ex II (1)G [Ex ia Ga] IIC Ex II 3G (1)D Ex nA [ia IIIC Da] IIC T4 Gc; Ex II (1)D [Ex ia DA] IIIC
IECEX	IECEX SIR 17.0086X Ex nA IIC T4 Gc; Ex nA [ic] IIC T4 Gc; [Ex ic Gc] IIC; [Ex ic Dc] IIIC Ex nA [ia Ga] IIC T4 Gc; Ex nA [ic IIIC Dc] IIC T4 Gc; Ex nA [ia IIIC Da] IIC T4 Gc; [Ex ia Ga] IIC; [Ex ia Da] IIIC
UL, USA/Canada	Class I, Div. 2, Groups A, B, C, D T4 Class I, Zone 2, IIC T4
CSA, USA/Canada	Nonincendive: Class I, Div. 2, Groups ABCD T4 Connection to Class I, II, III, Div. 2, Groups ABCDEFG Class I, Zone 2, (A)Ex nA IIC T4 Gc, Class I, Zone 2 Class I, Zone 2 with connection to Class I, Zone 2, (A)Ex nA [ic] IIC T4 Gc Class I, Zone 2 with connection to Class I, Zone 0, (A)Ex nA [ia Ga] IIC T4 Gc Class I, Zone 2 with connection to Zone 22, (A)Ex nA [ic IIIC Dc] IIC T4 Gc Class I, Zone 2 with connection to Zone 20, (A)Ex nA [ia IIIC Dc] IIC T4 Gc
Safety-related maximum voltage U_m	253 V AC/DC (A and B terminals and D-SUB 25)

Connection data

Connection name	Field level
Connection in acc. with standard	IEC / EN
Connection method	Screw connection
Stripping length	8 mm

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Technical data

Connection data

Screw thread	M3
Conductor cross section solid	0.2 mm² ... 4 mm²
Conductor cross section flexible	0.2 mm² ... 2.5 mm²
Conductor cross section AWG	24 ... 12
Torque	0.5 Nm ... 0.6 Nm

Connection data 2

Connection name	Controller level
Connection method	D-SUB 25
Number of connections	1
Number of positions	25
Torque	0.3 Nm ... 0.34 Nm

Supported controller

Controller	universal
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Standards and Regulations

Standards/regulations	IEC 60664
	DIN EN 50178
Pollution degree	2
Overvoltage category	II
Conformance	ANSI/ISA 60079-0; 60079-11; 60079-15
	ANSI/IEC 60529
ATEX	Sira 17ATEX4367X Ex II 3G Ex nA IIC T4 Gc; Ex II (3)G [Ex ic Gc] IIC; Ex II (3)D [Ex ic Dc] IIIC Sira 18ATEX2007X Ex II 3(1)G Ex nA [ia Ga] IIC T4 Gc; Ex II (1)G [Ex ia Ga] IIC Ex II 3G (1)D Ex nA [ia IIIC Da] IIC T4 Gc; Ex II (1)D [Ex ia DA] IIIC
IECEx	IECEx SIR 17.0086X Ex nA IIC T4 Gc; Ex nA [ic] IIC T4 Gc; [Ex ic Gc] IIC; [Ex ic Dc] IIIC Ex nA [ia Ga] IIC T4 Gc; Ex nA [ic IIIC Dc] IIC T4 Gc; Ex nA [ia IIIC Da] IIC T4 Gc; [Ex ia Ga] IIC; [Ex ia Da] IIIC
UL, USA/Canada	Class I, Div. 2, Groups A, B, C, D T4 Class I, Zone 2, IIC T4
CSA, USA/Canada	Nonincendive: Class I, Div. 2, Groups ABCD T4 Connection to Class I, II, III, Div. 2, Groups ABCDEFG Class I, Zone 2, (A)Ex nA IIC T4 Gc, Class I, Zone 2 Class I, Zone 2 with connection to Class I, Zone 2, (A)Ex nA [ic] IIC T4 Gc Class I, Zone 2 with connection to Class I, Zone 0, (A)Ex nA [ia Ga] IIC T4 Gc Class I, Zone 2 with connection to Zone 22, (A)Ex nA [ic IIIC Dc] IIC T4 Gc Class I, Zone 2 with connection to Zone 20, (A)Ex nA [ia IIIC Dc] IIC T4 Gc

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Base module - VIP/S/D25M/BASE 1-8/L/C/EX - 2906595

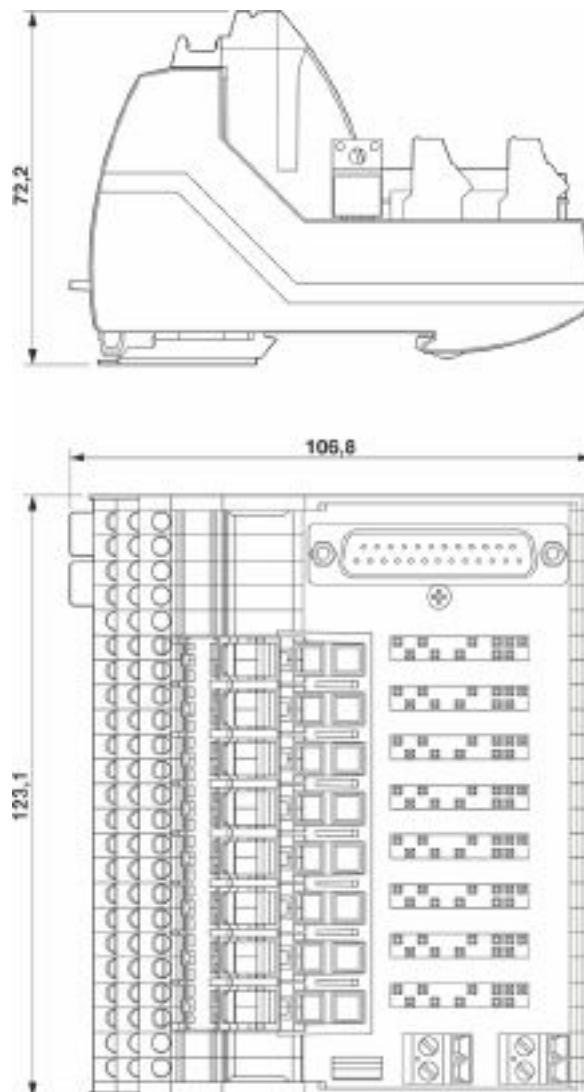
Technical data

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

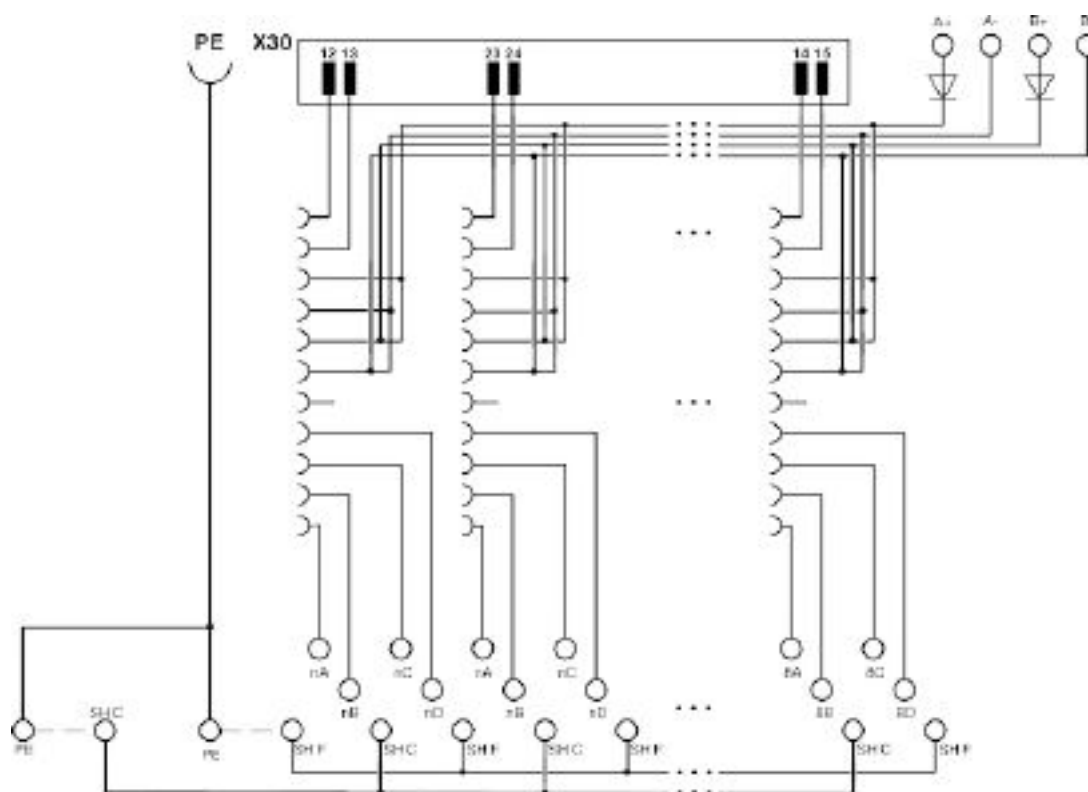
Drawings

Dimensional drawing



Base module - VIP/S/D25M/BASE 1-8/L/C/EX - 2906595

Circuit diagram



Classifications

eCl@ss

eCl@ss 10.0.1	27141152
eCl@ss 4.0	27250313
eCl@ss 4.1	27250313
eCl@ss 5.0	27250313
eCl@ss 5.1	27250313
eCl@ss 6.0	27242600
eCl@ss 7.0	27141152
eCl@ss 8.0	27141152
eCl@ss 9.0	27141152

ETIM

ETIM 4.0	EC002780
ETIM 5.0	EC002780
ETIM 6.0	EC002780
ETIM 7.0	EC002780

Accessories

Accessories

Base module - VIP/S/D25M/BASE 1-8/L/C/EX - 2906595

Accessories

Marker pen

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

Partition plate

Partition plate - VIP/S/BASE 3L DIVIDER - 2907715



Safety divider provides physical separation between field terminals and power bus terminals on VIP base module

Partition plate - VIP/U/RAIL 3L DIVIDER - 2908555



Divider provides physical separation between field terminals and power bus terminals on VIP base module. This version mounts directly to the DIN rail at the end of the base module when separation between circuits is required.

Plug

Plug - IOA MCR-CJC-PT100 - 1085776



Plug for cold junction compensation for thermocouples, in combination with MACX MCR(-EX)-TC... temperature transducers

Terminal marking

Marker for terminal blocks - UC-TM 10 - 0818069



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 10.2 mm, lettering field size: 9.6 x 10.5 mm, Number of individual labels: 48

Base module - VIP/S/D25M/BASE 1-8/L/C/EX - 2906595

Accessories

Marker for terminal blocks - UC-TM 10 BU - 0818441



Marker for terminal blocks, Sheet, blue, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 10.2 mm, lettering field size: 9.6 x 10.5 mm, Number of individual labels: 48

Necessary add-on products

Input/output module - IOA FEED-THRU/EX - 2906598



Feed-through terminal block for VIP I/O-Marshalling base elements for conveying field signals to or from the I/O system.

Input/output module - IOA AI/AO/BFI/DS/0.5A/EX - 2906599



Fuse module for VIP I/O-Marshalling base elements with replaceable 0.5 A fuses in the field device supply path and in the signal path. Integrated test points and a disconnect knife enable uninterrupted signal measurement.

Input/output module - IOA DI/DO/BFI/DS/1.0A/EX - 2906600



Fuse module for VIP I/O-Marshalling base elements with replaceable 1 A fuses in the field device supply path and in the signal path. Integrated test points and a disconnect knife enable uninterrupted signal measurement.

Input/output module - IOA REL 24V DO/BFI/3.0A/EX - 2910153



Relay module for VIP I/O-Marshalling base elements. For switching 24 V DC loads up to max. 3 A. Integrated fuse and fuse failure indication. N/O contact or N/C contact can be used.

Base module - VIP/S/D25M/BASE 1-8/L/C/EX - 2906595

Accessories

Input/output module - IOA REL 24V DI/BFI/1.0A/EX - 2910155



Relay module for VIP I/O-Marshalling base elements. For the electrically isolated coupling of 24 V DC field devices to digital inputs. Integrated fuse and fuse failure indication.

Input/output module - IOA REL 120V DO/BFI/3.0A/EX - 2910154



Relay module for VIP I/O-Marshalling base elements. For switching 120 V AC loads up to max. 3 A. Integrated fuse and fuse failure indication. N/O contact or N/C contact can be used.

Input/output module - IOA REL 120V DI/1.0A/EX - 2910157



Relay module for VIP I/O-Marshalling base elements. For the electrically isolated coupling of 120 V AC field devices to digital inputs. Integrated fuse and fuse failure indication.

Input/output module - IOA REL 230V DO/BFI/NO/3.0A/EX - 2910421



Relay module for VIP I/O-Marshalling base elements. For switching 230 V AC loads up to max. 3 A. Integrated fuse and fuse failure indication. N/O contact can be used.

Input/output module - IOA REL 230V DO/BFI/NC/3.0A/EX - 2910422



Relay module for VIP I/O-Marshalling base elements. For switching 230 V AC loads up to max. 3 A. Integrated fuse and fuse failure indication. N/C contact can be used.

Base module - VIP/S/D25M/BASE 1-8/L/C/EX - 2906595

Accessories

Input/output module - IOA REL 230V DI/1.0A/EX - 2910423



Relay module for VIP I/O-Marshalling base elements. For the electrically isolated coupling of 230 V AC field devices to digital inputs. Integrated fuse and fuse failure indication.

Power/input isolating amplifier - IOA RPSS-I-I/HART/EX - 2908452



Ex ic repeater power supply and input signal conditioner, HART for VIP I/O-Marshalling base elements: Transmits 0/4 # 20 mA signals from the potentially explosive area (zone 2, CID2) to a load (active or passive) in the safe area. 3-way electrical isolation

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