

## Base module - VIP/MSTB/D50M/BASE/16CH/CX/EX - 2908788

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VIP base module with input/output accessories (IOA) provide universal channel configuration. This module with the D-SUB 50 connector is pin compatible to the Tricon CX series DCS.

### 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



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 477992
GTIN	4055626477992
Weight per Piece (excluding packing)	730.700 g
Custom tariff number	85366990
Country of origin	United States
Note	Made to Order (non-returnable)

### Technical data

#### Dimensions

Width	250 mm
Height	142.3 mm
Depth	78 mm

#### Ambient conditions

Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Permissible humidity (operation)	0 % ... 95 % (non-condensing)

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## Technical data

### Ambient conditions

Degree of protection	IP20
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### 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 50 connector)
Max. perm. current (per branch)	3 A (field signal)
	0.5 A (control contacts)
Max. permissible current	3 A (A and B terminals)
Max. permissible total current	10 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 $I_i$	0.5 A (per channel)
Inductance $L_i$	0 mH
Capacitance $C_i$	0 $\mu$ F
ATEX	Sira 18ATEX 4041X Ex II 3G; Ex nA IIC T4 Gc; Ex II 3(3)G Ex nA [ic] IIC T4 Gc; Ex II (3)G [Ex ic Gc] IIC Ex II 3G (3)D Ex nA [ic IIIC Dc] IIC T4 Gc; Ex II (3)D [Ex ic Dc] IIIC
	Sira 18ATEX 2040X 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 18.0007X 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
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 Da] IIC T4 Gc
Safety-related maximum voltage $U_m$	253 V AC/DC (A and B terminals and D-SUB 50)

### Connection data

Connection name	Field level
Connection in acc. with standard	IEC / EN

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### Technical data

#### Connection data

Connection method	pluggable
Number of connections	4
Number of positions	16

#### Connection data 2

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

#### Supported controller

Controller	Tricon CX
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#### Standards and Regulations

Standards/regulations	IEC 60664
	DIN EN 50178
Pollution degree	2
Overvoltage category	II, III
Conformance	ANSI/ISA 60079-0; 60079-11; 60079-15
	ANSI/IEC 60529
	FM 3600; 3611; 3810
ATEX	Sira 18ATEX 4041X Ex II 3G; Ex nA IIC T4 Gc; Ex II 3(3)G Ex nA [ic] IIC T4 Gc; Ex II (3)G [Ex ic Gc] IIC Ex II 3G (3)D Ex nA [ic IIIC Dc] IIC T4 Gc; Ex II (3)D [Ex ic Dc] IIIC
	Sira 18ATEX 2040X 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 18.0007X 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
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 Da] IIC T4 Gc

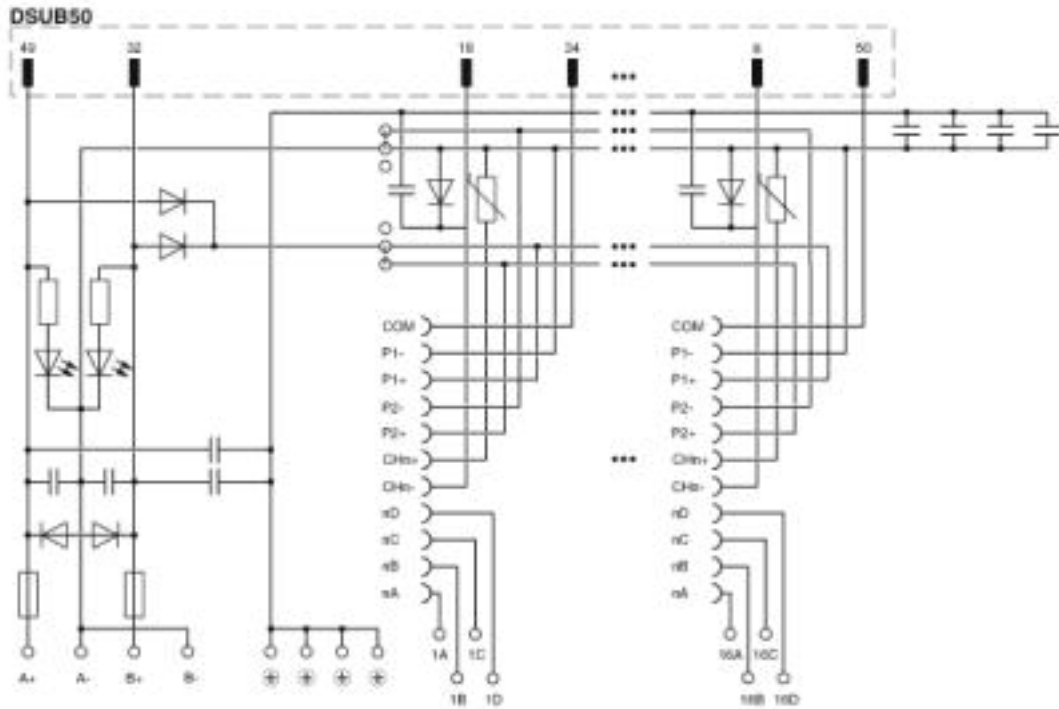
#### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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### Drawings

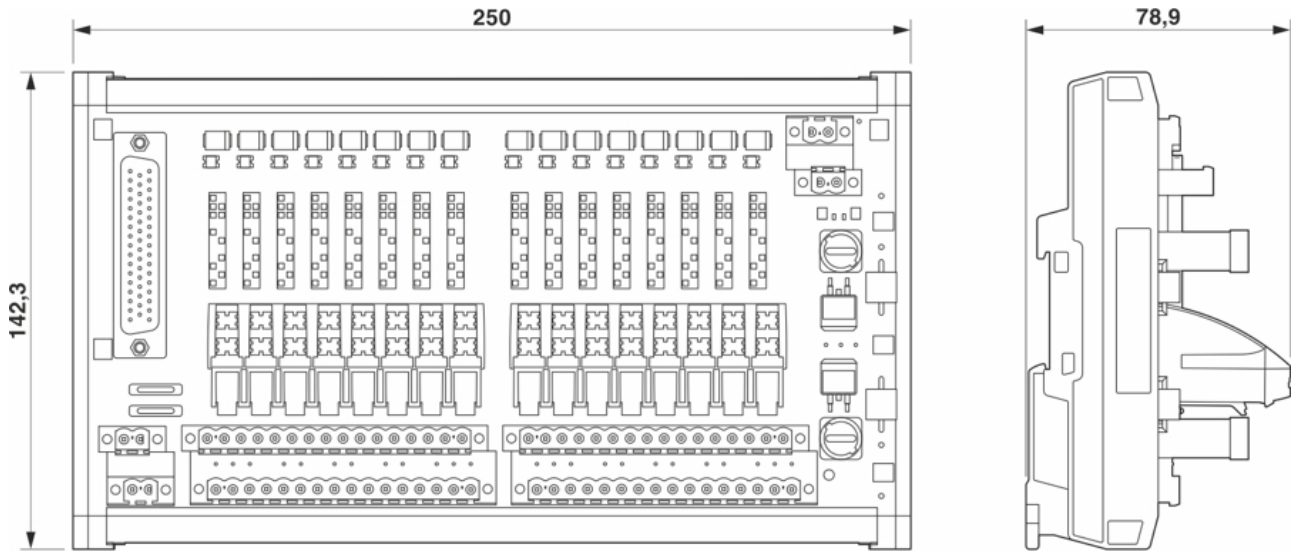
# Base module - VIP/MSTB/D50M/BASE/16CH/CX/EX - 2908788

Circuit diagram



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Dimensional drawing



## Classifications

### eCl@ss

eCl@ss 4.0	27250313
eCl@ss 4.1	27250313
eCl@ss 5.0	27250313
eCl@ss 5.1	27250313
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

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### Classifications

ETIM

ETIM 7.0	EC002780
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### Accessories

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

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### PCB plug

Connector set - VIP/S/MVSTBR/KIT CX - 2910416



Plug kit for use with VIP/MSTB/D50M/BASE..., screw connections

Connector set - VIP/P/FKC/KIT CX - 2910417



Plug kit for use with VIP/MSTB/D50M/BASE..., push-in connections

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### System cable

Cable - CABLE-D50SUB-B-B-HF-S/... - 1075557



Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 50-position); connection 2: D-SUB socket strip (1x 50-position); cable length: variable

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### Terminal marking

## Base module - VIP/MSTB/D50M/BASE/16CH/CX/EX - 2908788

### Accessories

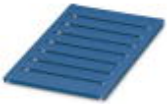
#### Marker for terminal blocks - UC-TM 10 - 0818069



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

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#### 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

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### Necessary add-on products

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



VIP field termination assemblies (FTA) with input/output accessories (IOA) provide universal channel configuration for applications seeking to evolve from a traditional fixed I/O approach. Direct feed through of field signals, 30 V, 1 A maximum.

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#### Plug - IOA MCR-CJC-PT100 - 1085776



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

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#### Coupling relay - IOA-PSR-PS22-1NO-1NC-24DC - 2702971



Pluggable SIL coupling relay as an input/output accessory for VIP base module, SIL 3 high and low-demand applications, safe-state-off, couples digital output signals to the periphery, 1 enabling current path, 1 confirmation current path, test pulse filter

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### Accessories

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



VIP field termination assemblies (FTA) with input/output accessories (IOA) provide universal channel configuration for applications seeking to evolve from a traditional fixed I/O approach. Analog input and output signals, fused with blown fuse indication, disconnect with test points, 500 mA rating.

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



VIP field termination assemblies (FTA) with input/output accessories (IOA) provide universal channel configuration for applications seeking to evolve from a traditional fixed I/O approach. Digital input and output signals, fused with blown fuse indication, disconnect with test points, 30 V, 1 A maximum.

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



VIP field termination assemblies (FTA) with input/output accessories (IOA) provide universal channel configuration for applications seeking to evolve from a traditional fixed I/O approach. Digital relay output, fused with blown fuse indication, selectable NO or NC contact, 24 V DC, 3 A rating.

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



VIP field termination assemblies (FTA) with input/output accessories (IOA) provide universal channel configuration for applications seeking to evolve from a traditional fixed I/O approach. Digital relay output, fused with blown fuse indication, selectable NO or NC contact, 120 V AC, 3 A rating.

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



VIP field termination assemblies (FTA) with input/output accessories (IOA) provide universal channel configuration for applications seeking to evolve from a traditional fixed I/O approach. Digital relay output, fused, NO contact, 230 V AC, 3 A rating.

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## Base module - VIP/MSTB/D50M/BASE/16CH/CX/EX - 2908788

### Accessories

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



VIP field termination assemblies (FTA) with input/output accessories (IOA) provide universal channel configuration for applications seeking to evolve from a traditional fixed I/O approach. Digital relay output, fused with blown fuse indication, NC contact, 230 V AC, 3 A rating.

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



VIP field termination assemblies (FTA) with input/output accessories (IOA) provide universal channel configuration for applications seeking to evolve from a traditional fixed I/O approach. Digital relay input, fused with blown fuse indication, active circuit indication, 24 V DC.

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



VIP field termination assemblies (FTA) with input/output accessories (IOA) provide universal channel configuration for applications seeking to evolve from a traditional fixed I/O approach. Digital relay input, fused with blown fuse indication, active circuit indication, 120 V AC.

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



VIP field termination assemblies (FTA) with input/output accessories (IOA) provide universal channel configuration for applications seeking to evolve from a traditional fixed I/O approach. Digital relay input, fused with blown fuse indication, active circuit indication, 230 V AC.

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



IOA with three-way repeater power supply with plug-in technology. HART-transparent, input or output signal 0(4)...20 mA. The device can be used in both isolator and repeater power supply operation.

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