

IOA FEED-THRU-DO/NI/EX - Feed-through plug



1172189

<https://www.phoenixcontact.com/us/products/1172189>

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Non-incendive, Ex ic impeding devices for VIP I/O marshalling base elements. For limiting current (60 mA or 80 mA) and voltage (26.4 V DC) on digital outputs. For example, to control solenoid valves in the Ex area (zone 2, CID2).

Product description

Non-incendive, Ex ic impeding devices for controlling solenoid valves, alarm transmitters, or indicators installed in the Ex area. The module output limits the current to 60 mA or 80 mA (various connection terminal blocks) and a max. voltage of 26.4 V DC. The module is installed on a corresponding VIP I/O-Marshalling base element by means of plug-in contact. Installation in zone 2, "ec" type of protection is permitted.

Commercial data

Item number	1172189
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C480
Product key	CK8291
GTIN	4063151199012
Weight per piece (including packing)	64 g
Weight per piece (excluding packing)	64 g
Customs tariff number	85389099
Country of origin	US

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Technical data

Product properties

Product type	Interface module
Product family	VIP I/O-Marshalling

Insulation characteristics

Overvoltage category	II
Pollution degree	2

Electrical properties

Max. operating voltage $U_{\max}$	26.4 V
Max. permissible operating voltage	26.4 V
Max. permissible current	48 mA (nA, nB)
	58.7 mA (nC, nD)

Ex data

Safety data

Input voltage U_i	26.4 V
Input current I_i	88 mA
Input power P_i	2.32 W
Max. output voltage U_o	CHn+/CHn-
Max. output current I_o	66.8 mA (nA, nB)
	89.4 mA (nC, nD)
Safety-related maximum voltage U_m	26.4 V
IIC: Max. external inductivity L_o / Max. external capacitance C_o	/ 0.25 μ F
IIB/IIIC/IIIB/IIIA: Max. external inductivity L_o / Max. external capacitance C_o	/ 1.58 μ F
IIA: Max. external inductivity L_o / Max. external capacitance C_o	/ 6.3 μ F
IIC: Max. external inductivity L_o / Max. external capacitance C_o	8.7 mH
IIB/IIIC/IIIB/IIIA: Max. external inductivity L_o / Max. external capacitance C_o	34.9 mH
IIA: Max. external inductivity L_o / Max. external capacitance C_o	69.7 mH

Dimensions

Item dimensions

Width	10.3 mm
Height	64.2 mm
Depth	72.9 mm

Material specifications

Color	gray (RAL 7042)
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Environmental and real-life conditions

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Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 70 °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
	⊕ II 3G Ex ic IIC T4 Gc
Certificate	CSANe 20ATEX3152X

IECEx

Identification	Ex ec IIC T4 Gc
	Ex ic IIC T4 Gc
Certificate	IECEx SIR 21.0005X

UKEX

Identification	⊕ II 3G Ex ec IIC T4 Gc
	⊕ II 3G Ex ic IIC T4 Gc
Certificate	PxCIF23UKEX1048208X

CSA, USA/Canada

Identification	Class I, Div. 2, Groups A, B, C, D
	Class I, Zone 2, AEx ic IIC T4 Gc
	ANIFW apparatus for connection to: Class I, II, III, Div. 2 Groups A, B, C, D, F, G
	Ex ic IIC T4 Gc
	Ex ec IIC T4 Gc
Certificate	CSA 21CA80047687X

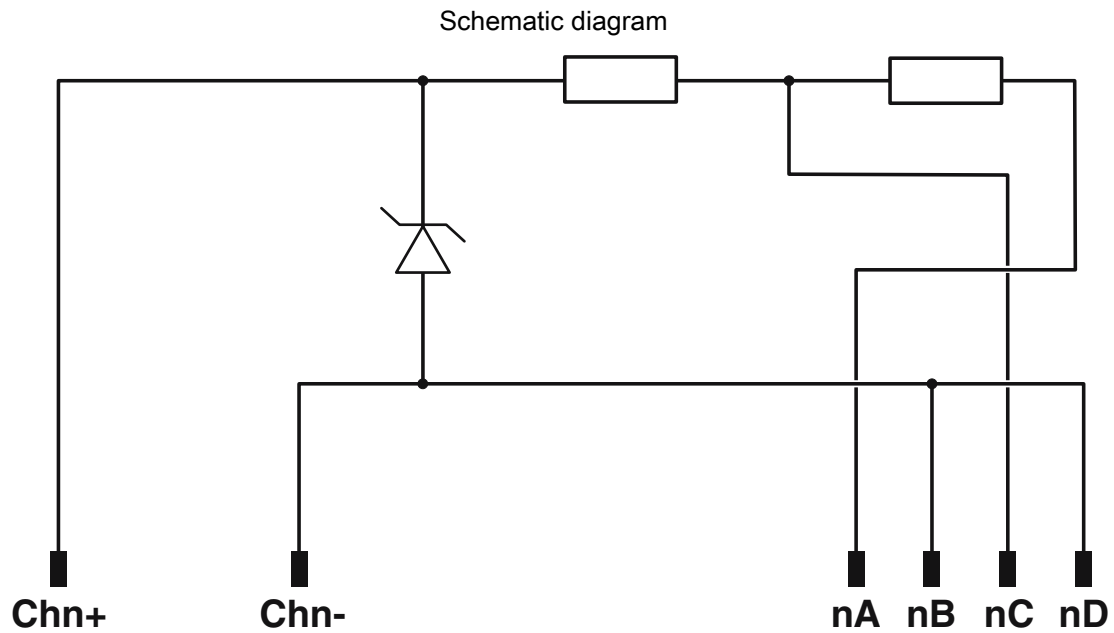
Standards and regulations

Standards/regulations	IEC 60664
	DIN EN 50178

Mounting

Mounting type	Plug-in mounting
Assembly note	Plugs into VIP/...BASE...
Mounting position	any

Drawings



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Approvals

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	IECEx Approval ID: IECEx SIR 21.0005X
	ATEX Approval ID: CSANe 20ATEX3152X
	CSA Approval ID: 80047687
	CSAus Approval ID: 80047687
	cCSAus

Classifications

ECLASS

ECLASS-11.0	27141152
ECLASS-13.0	27141152
ECLASS-12.0	27141152

ETIM

ETIM 9.0	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	7(a), 7(c)-I
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)

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Mandatory accessories

VIP/S/MC/BASE 1-8/L/EX - Base module

2906596

<https://www.phoenixcontact.com/us/products/2906596>



8-channel VIP I/O marshalling base element for universal use. All connections as screw connection technology. With the COMBICON connector, compatible with the Honeywell C300 and RUSIO series. Marking for channels 1–8.

VIP/S/MC/BASE 9-16/L/EX - Base module

2906630

<https://www.phoenixcontact.com/us/products/2906630>



8-channel VIP I/O marshalling base element for universal use. All connections as screw connection technology. With the COMBICON connector, compatible with the Honeywell C300 and RUSIO series. Marking for channels 9–16.

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VIP/S/MC/BASE 17-24/L/EX - Base module

2907024

<https://www.phoenixcontact.com/us/products/2907024>



8-channel VIP I/O marshalling base element for universal use. All connections as screw connection technology. With the COMBICON connector, compatible with the Honeywell C300 and RUSIO series. Marking for channels 17–24.

VIP/S/MC/BASE 25-32/L/EX - Base module

2907025

<https://www.phoenixcontact.com/us/products/2907025>



8-channel VIP I/O marshalling base element for universal use. All connections as screw connection technology. With the COMBICON connector, compatible with the Honeywell C300 and RUSIO series. Marking for channels 25–32.

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

2907186

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8-channel VIP I/O marshalling base element for universal use. All connections as screw connection technology. With the COMBICON connector, compatible with the Honeywell C300 and RUSIO series. Marking for channels 1–8 and painting.

VIP/S/MC/BASE 9-16/L/C/EX - Base module

2907187

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8-channel VIP I/O marshalling base element for universal use. All connections as screw connection technology. With the COMBICON connector, compatible with the Honeywell C300 and RUSIO series. Marking for channels 9–16 and painting.

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VIP/S/MC/BASE 17-24/L/C/EX - Base module

2907209

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8-channel VIP I/O marshalling base element for universal use. All connections as screw connection technology. With the COMBICON connector, compatible with the Honeywell C300 and RUSIO series. Marking for channels 17-24 and painting.

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

2906595

<https://www.phoenixcontact.com/us/products/2906595>



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.

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

2908788

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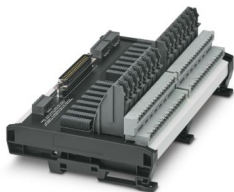


16-channel VIP I/O marshalling base element for universal use. Plug-in field and supply terminals available as accessories. Either with screw or Push-in connection technology. Compatible with the Tricon CX DCS series (D-SUB 50).

BASE-MSTB/D37M/16CH/EX - Base module

1065476

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16-channel VIP I/O marshalling base element with 37-pos. D-SUB connector for universal use. Plug-in field and supply terminals available as accessories. Either with screw or Push-in connection technology.

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VIP/S/MC/BASE 25-32/L/C/EX - Base module

2907210

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8-channel VIP I/O marshalling base element for universal use. All connections as screw connection technology. With the COMBICON connector, compatible with the Honeywell C300 and RUSIO series. Marking for channels 25–32 and painting.

Accessories

UC-TM 6 - Marker for terminal blocks

0818085

<https://www.phoenixcontact.com/us/products/0818085>



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 5.6 x 10.5 mm, Number of individual labels: 80

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UC-TM 6 BU - Marker for terminal blocks

0818344

<https://www.phoenixcontact.com/us/products/0818344>



Marker for terminal blocks, Sheet, blue, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 5.6 x 10.5 mm, Number of individual labels: 80

ZB 5,08:UNBEDRUCKT - Zack marker strip

0809793

<https://www.phoenixcontact.com/us/products/0809793>



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 5.08 mm, lettering field size: 4.98 x 10.5 mm, Number of individual labels: 10

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1172189

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B-STIFT - Marker pen

1051993

<https://www.phoenixcontact.com/us/products/1051993>



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

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