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

1172189

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

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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 via a plug-in contact on a compatible VIP I/O-Marshalling termination board. 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	DK115Z
GTIN	4063151199012
Weight per piece (including packing)	64 g
Weight per piece (excluding packing)	64 g
Customs tariff number	85389099
Country of origin	US

Technical data

Product properties

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

Insulation characteristics

Overvoltage category	II
Pollution degree	2

Electrical properties

Operating voltage	26.4 V
Current	≤ 48 mA (nA, nB)
	≤ 58.7 mA (nC, nD)

Input data

Nominal input voltage U_N	24 V DC

Connection data

Connection method	Plug-in connection

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 µF
IIB/IIIC/IIIB/IIIA: Max. external inductivity L_o / Max. external capacitance C_o	/ 1.58 µF
IIA: Max. external inductivity L_o / Max. external capacitance C_o	/ 6.3 µF
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)

Environmental and real-life conditions

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	Ⓔx II 3G Ex ec IIC T4 Gc
	Ⓔx 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	Ⓔx II 3G Ex ec IIC T4 Gc
	Ⓔx 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

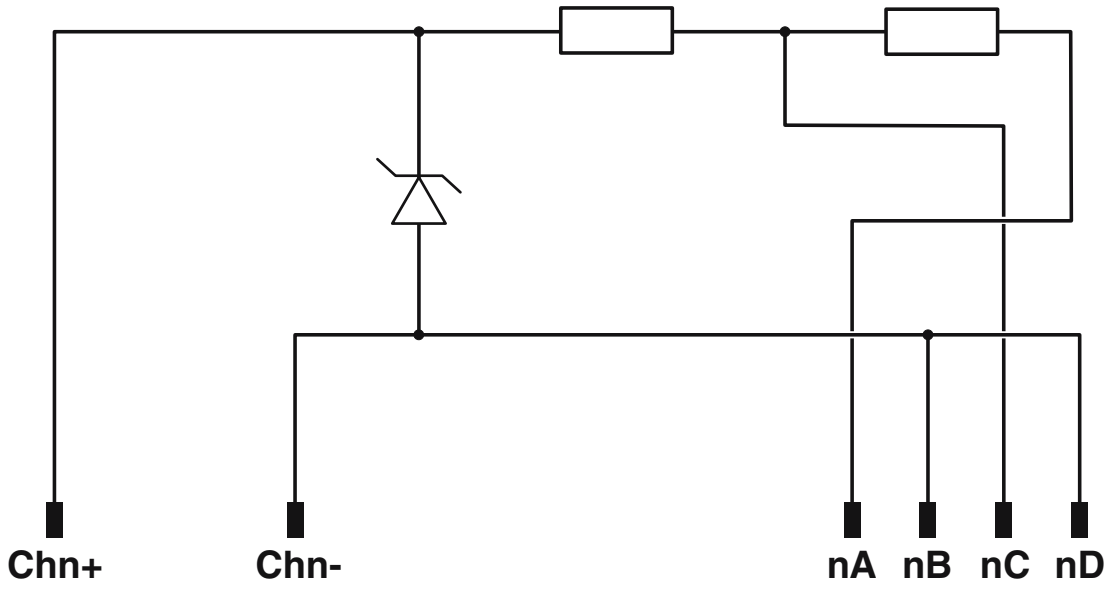
Standards/regulations	IEC 60664
	DIN EN 50178

Mounting

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

Drawings

Schematic diagram



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1172189

Functional Safety
Approval ID: 1435.IM.131623/19

IECEx
Approval ID: IECEx SIR 21.0005X

ATEX
Approval ID: CSANe 20ATEX3152X

CSA
Approval ID: 80047687

CSAus
Approval ID: 80047687

Classifications

ECLASS

ECLASS-13.0	27141152
ECLASS-15.0	27141152

ETIM

ETIM 10.0	EC002780

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	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	6c523822-c21c-4bbc-82cf-a70d31254ab8

Phoenix Contact 2026 © - all rights reserved
https://www.phoenixcontact.com

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com