IOA PR-DAI/DAO/F/DS/2A/EX - Input/output module

1048208

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Fuse module for VIP I/O-Marshalling termination boards with replaceable 2 A fuse in the field device supply path. Integrated test points and a disconnect knife allow for uninterrupted signal measurement. HART transparent.

Product description

Fuse module with replaceable 2 A fuse in the supply path. This enables field devices to be supplied with voltage directly from the termination board. If the fuse fails, this is indicated by an LED. Test points and a disconnect knife are available in the signal path for uninterrupted signal measurement. 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	1048208
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C480
Product key	DK115A
GTIN	4055626649948
Weight per piece (including packing)	64.3 g
Weight per piece (excluding packing)	64.3 g
Customs tariff number	85371098
Country of origin	US

Technical data

Product properties

Product type	Interface module
Product family	VIP I/O-Marshalling
Number of positions	1

Insulation characteristics

Overvoltage category	II
Pollution degree	2

Electrical properties

Operating voltage U_{max}	≤ 30 V
Current	≤ 1 A (Signal)
Current (Total current, voltage supply)	≤ 2 A (Current limited by fuse)
	≤ 3 A

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	30 V
Input current I_i	1 A
Inductance Li	0 mH
Capacitance Ci	0 µF
Max. output voltage U_o	U_i
Max. output current I_o	I_i
Max. output power P_o	P_i

Interfaces

Data communication (bypass)

HART function	HART transparency
Protocols supported	HART

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 ... 75 °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

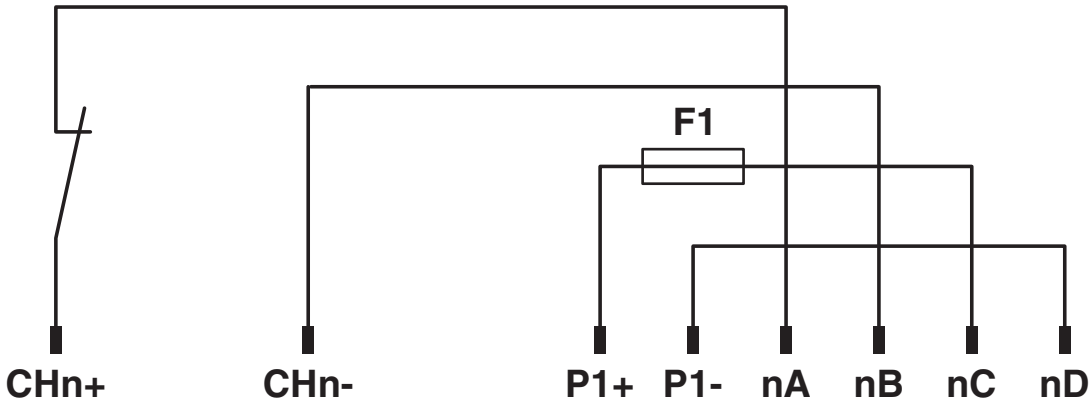
Standards/regulations	IEC 60664
	DIN EN 50178

Mounting

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

Drawings

Schematic diagram



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1048208

Functional Safety
Approval ID: PHO 16-09-035

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	6(c)

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	66216299-b8b6-45e8-afde-0baced4e9ac8

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