

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



2906600

<https://www.phoenixcontact.com/us/products/2906600>

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.



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.

## Product description

Fuse module with replaceable 1 A fuse in the supply path and in the signal path. This enables field devices to be supplied with voltage directly from the base element. In addition, the I/O board is protected against short circuits in the signal lines. If a 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 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.

## Your advantages

- Signal line blown fuse indication
- Two-stage progressive release allowing for voltage checks with field-powered devices
- Channel for marking accessories
- Replaceable TE5-style fusing
- Signal disconnect with test points
- Integrated keying reduces possible user error during replacement
- 24 V internal marshalling option for connected field device with blown fuse indication

## Commercial data

Item number	2906600
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C480
Product key	CK8212
Catalog page	Page 555 (C-5-2017)
GTIN	4055626295268
Weight per piece (including packing)	72.5 g
Weight per piece (excluding packing)	24.1 g
Customs tariff number	85389099
Country of origin	US

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



2906600

<https://www.phoenixcontact.com/us/products/2906600>

## Technical data

### Product properties

Product type	Interface module
Product family	VIP I/O-Marshalling
No. of channels	1
Operating mode	100% operating factor

### Insulation characteristics

Overvoltage category	II
Pollution degree	2

### Electrical properties

Max. operating voltage $U_{max}$	30 V
Max. permissible current	1 A (fuse limited)
Nominal voltage $U_N$	24 V DC
Max. current carrying capacity per branch	1 A (fuse limited)

### Output data

Nominal supply voltage	24 V DC
Continuous load current	1 A

### Connection data

#### Control circuits

Connection method	Pin strip
Number of connections	1
Number of positions	13

### Ex data

#### Safety data

Input voltage $U_i$	30 V
Input current $I_i$	1 A
Inductance $L_i$	0 mH
Capacitance $C_i$	0 $\mu$ F
Max. output voltage $U_o$	$U_i$
Max. output current $I_o$	$I_i$
Max. output power $P_o$	$P_i$

### Signaling

Status display	No
Status display present	Yes, if the fuse fails

### Dimensions

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



2906600

<https://www.phoenixcontact.com/us/products/2906600>

## Item dimensions

Width	10.3 mm
Height	64.2 mm
Depth	72.9 mm

## Material specifications

Color	gray (RAL 7042)
Flammability rating according to UL 94	V0

## 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 m
Permissible humidity (operation)	0 % ... 95 % (non-condensing)

## Approvals

### ATEX

Identification	Ex II 3G Ex nA IIC T4 Gc
Certificate	CSANe 21ATEX4128X

### IECEX

Identification	Ex nA IIC T4 Gc
Certificate	IECEX CSAE 21.0004X

### UKEX

Identification	Ⓜ II 3G Ex nA IIC T4 Gc
Certificate	PxCIF23UKEX2906598X

### UL, USA/Canada

Identification	Class I, Div. 2, Groups A, B, C, D T4
	Class I, Zone 2, IIC T4

### CSA, USA/Canada

Identification	Class I, Div. 2, Groups A, B, C, D T4
	Class I, Zone 2, AEx nA IIC T4 Gc
	Ex nA IIC T4 Gc

## Standards and regulations

Standards/regulations	IEC 60664
	DIN EN 50178

## Mounting

Mounting position	any
-------------------	-----

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



2906600

<https://www.phoenixcontact.com/us/products/2906600>

## Classifications

### ECLASS

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

### ETIM

ETIM 9.0	EC002780
----------	----------

### UNSPSC

UNSPSC 21.0	39121400
-------------	----------

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



2906600

<https://www.phoenixcontact.com/us/products/2906600>

## Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

Phoenix Contact 2024 © - 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](mailto:info@phoenixcon.com)