

# IOA FEED-THRU/EX - Feed-through plug



2906598

<https://www.phoenixcontact.com/us/products/2906598>

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.



Feed-through terminal block for VIP I/O marshalling base elements for conveying field signals to or from the I/O system. HART transparent.

## Product description

Feed-through terminal block for conveying field signals to or from the I/O system. 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

- Two-stage progressive release

## Commercial data

Item number	2906598
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C480
Product key	DK115Z
GTIN	4055626171784
Weight per piece (including packing)	53.2 g
Weight per piece (excluding packing)	53.2 g
Customs tariff number	85366990
Country of origin	US

# IOA FEED-THRU/EX - Feed-through plug



2906598

<https://www.phoenixcontact.com/us/products/2906598>

## Technical data

### Product properties

Product type	Interface module
Product family	VIP I/O-Marshalling
Set comprises	1433798 IOA FEED-THRU/EX/BULK PACK
No. of channels	1
Operating mode	100% operating factor

### Insulation characteristics

Overvoltage category	II
Pollution degree	2

### Electrical properties

Operating voltage (DC)	24 V DC
Operating voltage $U_{max}$	$\leq 30$ V
Current (per branch)	$\leq 1$ A

### 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 $P_o$	$P_i$

### Interfaces

#### Data communication (bypass)

HART function	HART transparency
Protocols supported	HART

# IOA FEED-THRU/EX - Feed-through plug



2906598

<https://www.phoenixcontact.com/us/products/2906598>

## Signaling

Status display	no
Status display present	no

## Dimensions

### 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	⊕ II 3G Ex ec IIC T4 Gc
Certificate	JSHP 24ATEX0049X

### IECEX

Identification	Ex ec IIC T4 Gc
Certificate	IECEX JSH 24.0011X

### UKEX

Identification	⊕ II 3G Ex ec IIC T4 Gc
Certificate	PxCIF23UKEX2906598X

### CCC/China Ex

Identification	Ex ec IIC T4 Gc
Certificate	2025122303124532

### UL, USA/Canada

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

### CSA, USA/Canada

# IOA FEED-THRU/EX - Feed-through plug



2906598

<https://www.phoenixcontact.com/us/products/2906598>

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 FEED-THRU/EX - Feed-through plug

2906598

<https://www.phoenixcontact.com/us/products/2906598>

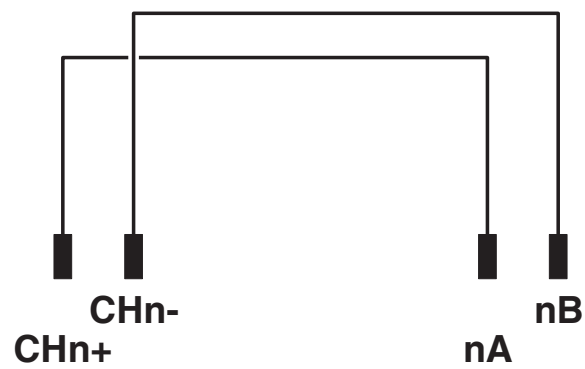


## Drawings

Dimensional drawing



Circuit diagram



# IOA FEED-THRU/EX - Feed-through plug



2906598

<https://www.phoenixcontact.com/us/products/2906598>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2906598>

### Functional Safety

Approval ID: PHO 16-09-035



### IECEX

Approval ID: IECEX CSAE 21.0004X



### CSA

Approval ID: 80071103



### CSAus

Approval ID: 80071103



### ATEX

Approval ID: CSANe 21ATEX4128X



### cULus Listed

Approval ID: E196811-201707007

# IOA FEED-THRU/EX - Feed-through plug



2906598

<https://www.phoenixcontact.com/us/products/2906598>

## Classifications

### ECLASS

ECLASS-13.0	27141152
ECLASS-15.0	27141152

### ETIM

ETIM 10.0	EC002780
-----------	----------

### UNSPSC

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

# IOA FEED-THRU/EX - Feed-through plug



2906598

<https://www.phoenixcontact.com/us/products/2906598>

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
-------------------------------------	----------------------------

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](mailto:info@phoenixcon.com)