

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



2906598

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

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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

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## 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	Plug-in connection
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

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## 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

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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
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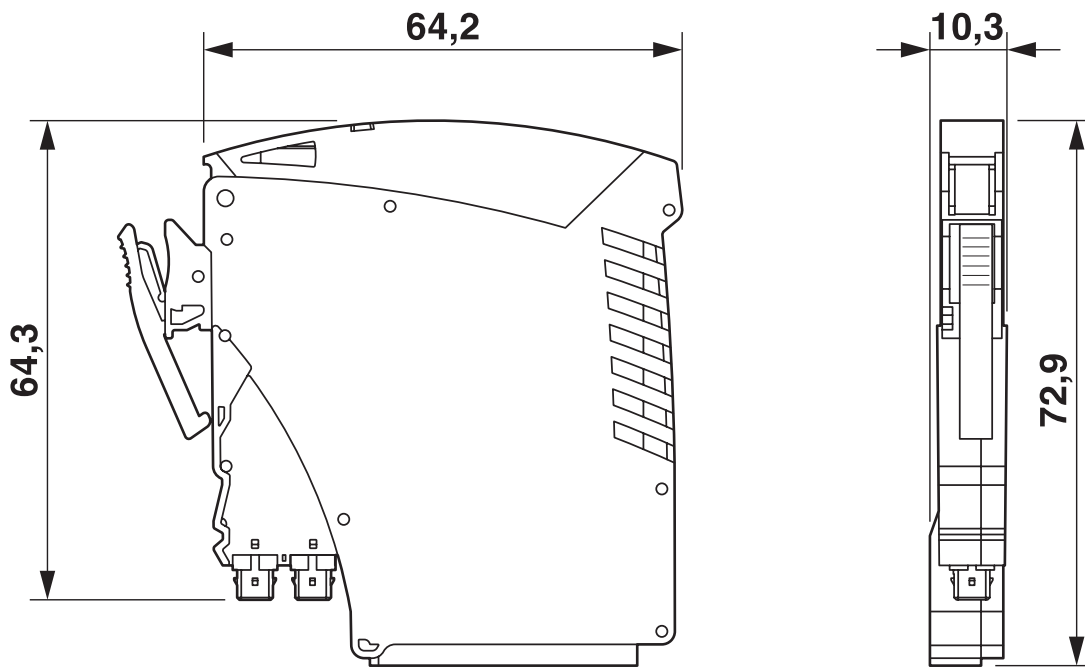
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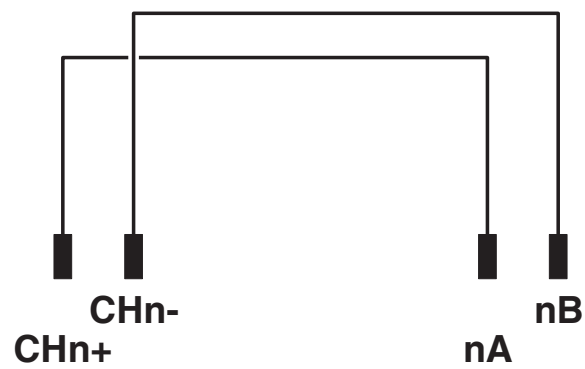


## Drawings

Dimensional drawing



Circuit diagram



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## Approvals

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### 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

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## Classifications

### ECLASS

ECLASS-13.0	27141152
ECLASS-15.0	27141152

### ETIM

ETIM 10.0	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, No exemptions
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### 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%
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