

# PLC-ASC-UI-IN - Analog module

2906916

<https://www.phoenixcontact.com/us/products/2906916>



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Analog input module for PLC logic logic modules (Generation 2 only), single-channel, signal type (4 mA ... 20 mA, 0 mA ... 20 mA, 0 V ... 10 V, 2 V ... 10 V) can be configured via DIP switch, screw connection

## Commercial data

Item number	2906916
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C424
Product key	DK2622
GTIN	4055626153773
Weight per piece (including packing)	79.9 g
Weight per piece (excluding packing)	53.3 g
Customs tariff number	85389099
Country of origin	DE

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## Technical data

### Notes

Notes on operation	For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.
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### Product properties

Product type	Extension module
Product family	PLC logic
Operating mode	100% operating factor

### Insulation characteristics: Air clearances and creepage distances

Insulation	Basic insulation
Overvoltage category	III
Pollution degree	2

### Electrical properties

#### Air clearances and creepage distances

Rated insulation voltage	50 V
Rated surge voltage	0.5 kV

#### Supply

Rated control circuit supply voltage $U_S$	24 V DC
Rated control supply voltage range with reference to $U_S$	0.8 ... 1.1
Rated control supply current $I_S$	13 mA
Protective circuit	Reverse polarity protection
	Surge protection

### Input data

#### Analog current input

Number of inputs	1
Current input signal	0 mA ... 20 mA
	4 mA ... 20 mA
Input resistance current input	40 $\Omega$
Maximum temperature coefficient	0.01 %/K
Maximum transmission error	1 %
Surge voltage protection	> 33 V
Resolution	10 bit (scaled to 0 to 1000)

#### Analog voltage input

Number of inputs	1
Voltage input signal	0 V ... 10 V

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	2 V ... 10 V
Input resistance of voltage input	> 120 kΩ
Maximum temperature coefficient	0.01 %/K
Maximum transmission error	1 %
Surge voltage protection	> 33 V
Resolution	10 bit (scaled to 0 to 1000)

## Output data

### Digital

Output name	Digital output
Switching voltage range	5 V DC ... 30 V DC
Switching current	≤ 3 mA

## Connection data

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross-section rigid	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section flexible	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> 0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (Single ferrule) 2x 0.5 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> (TWIN ferrule)
Conductor cross-section AWG	26 ... 14
Tightening torque	0.45 Nm ... 0.55 Nm (Usually these terminal blocks must be supported during conductor connection (held by one hand, supported on the housing))

## Signaling

Operating voltage display	Green LED
Error indication	Red LED

## Dimensions

Width	6.2 mm
Height	80 mm
Depth	94 mm

## Material specifications

Color	gray (RAL 7042)
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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

## Approvals

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CE

Certificate	CE-compliant
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UL, USA/Canada

Identification	UL 508 Listed
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## Standards and regulations

Air clearances and creepage distances

Standards/regulations	DIN EN 50178
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## Mounting

Mounting type	DIN rail mounting
Assembly note	in rows with zero spacing
Mounting position	any

## PLC-ASC-UI-IN - Analog module

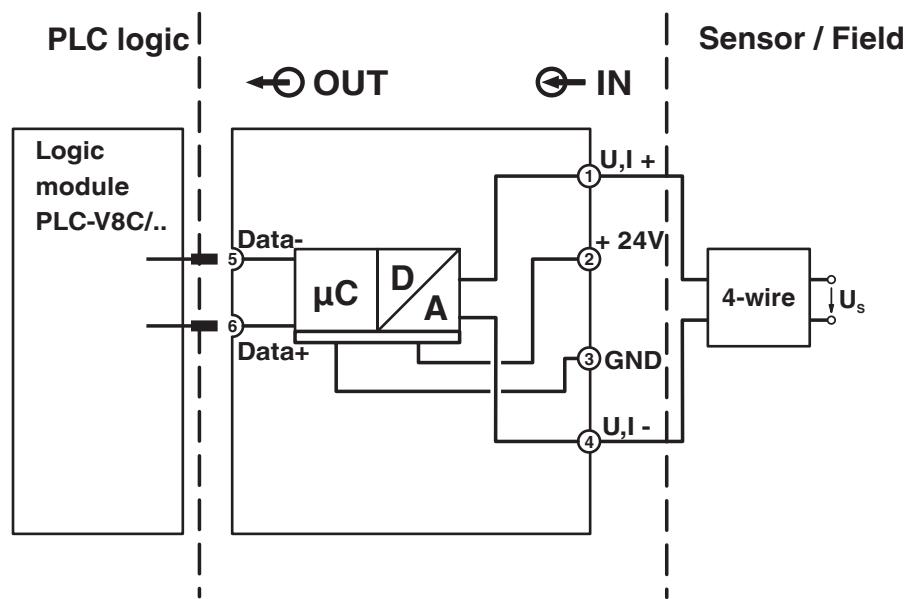
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## Drawings

## Block diagram



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## Classifications

### ECLASS

ECLASS-13.0	27242201
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### ETIM

ETIM 9.0	EC001420
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### UNSPSC

UNSPSC 21.0	32151600
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## 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)
	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol(CAS: 79-94-7)
SCIP	356039f4-8baa-403f-8a7e-6124298f0736

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