

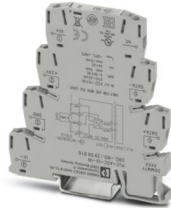
# PLC-ASC-UI-IN - Analog module



2906916

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

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Analog input module for PLC 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	CK2622
Catalog page	Page 430 (C-5-2017)
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

## Technical data

### Notes

General	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

Insulation	Basic insulation
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### 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

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Number of inputs	1
Voltage input signal	0 V ... 10 V
	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	95 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

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Ambient temperature (storage/transport)	-20 °C ... 70 °C
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## Approvals

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 instructions	in rows with zero spacing
Mounting position	any

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## Classifications

### ECLASS

ECLASS-11.0	27242201
ECLASS-12.0	27242201
ECLASS-13.0	27242201

### ETIM

ETIM 9.0	EC001420
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### UNSPSC

UNSPSC 21.0	32151600
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## 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"

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