

# PLC-APT-UI-OUT - Analog module



2906921

<https://www.phoenixcontact.com/us/products/2906921>

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.



Analog output 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, Push-in connection

## Commercial data

Item number	2906921
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C424
Product key	DK2622
GTIN	4055626155524
Weight per piece (including packing)	72.4 g
Weight per piece (excluding packing)	43 g
Customs tariff number	85389099
Country of origin	DE

## 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.
--------------------	--

### 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
Overtoltage 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 $I_S$	$\leq 28$ mA
Protective circuit	Reverse polarity protection
	Surge protection

### Input data

#### Digital input

Rated actuating voltage $U_C$	24 V DC
Rated actuating current $I_C$	$\leq 1$ mA

### Output data

#### Analog

Output name	Analog voltage output
Number of outputs	1
Voltage output signal	0 V ... 10 V
	2 V ... 10 V
Maximum output voltage	12.3 V
Ripple	$< 20$ mV <sub>PP</sub>

# PLC-APT-UI-OUT - Analog module



2906921

<https://www.phoenixcontact.com/us/products/2906921>

Load/output load voltage output	10 kΩ
Surge voltage protection	> 33 V
Maximum transmission error	1 %
Resolution	10 bit (scaled to 0 to 1000)
Protective circuit	Surge protection

## Analog

Output name	Analog output for current
Number of outputs	1
Current output signal	0 mA ... 20 mA 4 mA ... 20 mA
Maximum output current	24.6 mA
Load/output load current output	500 Ω (20 mA)
Surge voltage protection	> 33 V
Maximum transmission error	1 %
Resolution	10 bit
Protective circuit	Surge protection

## Connection data

Connection method	Push-in connection
Stripping length	10 mm
Number of connections	4
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>
Conductor cross-section AWG	26 ... 14

## 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)
-------	-----------------

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

## Approvals

# PLC-APT-UI-OUT - Analog module



2906921

<https://www.phoenixcontact.com/us/products/2906921>

## CE

Certificate	CE-compliant
-------------	--------------

## UL, USA/Canada

Identification	UL 508 Listed
----------------	---------------

## Standards and regulations

### Air clearances and creepage distances

Standards/regulations	DIN EN 50178
-----------------------	--------------

## Mounting

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

# PLC-APT-UI-OUT - Analog module

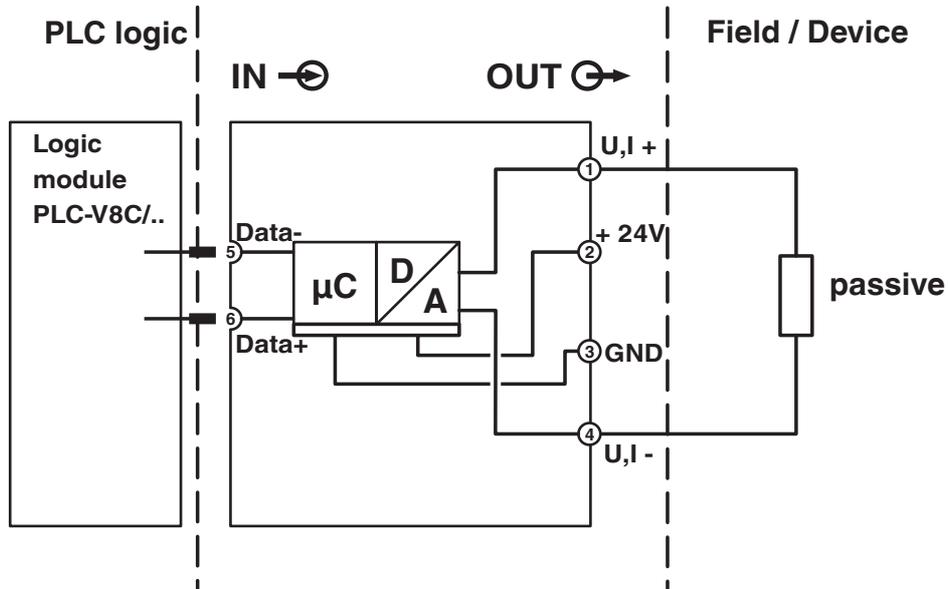
2906921

<https://www.phoenixcontact.com/us/products/2906921>



## Drawings

Block diagram



# PLC-APT-UI-OUT - Analog module



2906921

<https://www.phoenixcontact.com/us/products/2906921>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2906921>



**EAC**

Approval ID: RU\*DE.\*08.B.01517/19



**UL Listed**

Approval ID: E238705



**cUL Listed**

Approval ID: E238705

# PLC-APT-UI-OUT - Analog module



2906921

<https://www.phoenixcontact.com/us/products/2906921>

## Classifications

### ECLASS

ECLASS-13.0	27242201
ECLASS-15.0	27242201

### ETIM

ETIM 9.0	EC001420
----------	----------

### UNSPSC

UNSPSC 21.0	32151600
-------------	----------

2906921

<https://www.phoenixcontact.com/us/products/2906921>

## 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)
SCIP	43a911b6-5134-4729-9bb8-3a0d6d69dde0

Phoenix Contact 2025 © - 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)