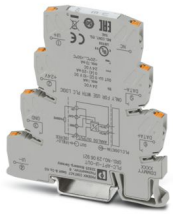
PLC-APT-UI-OUT - Analog module

2906921

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

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CRA-READY



Analog output module with 3-way isolation for PLC-V8R... or PLC-V8C..., 1-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)	37.1 g
Weight per piece (excluding packing)	28.8 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.
Note on application	As things stand now, we are preparing the product so that, as of December 11, 2027, it will comply with the requirements of the EU Cyber Resilience Act (CRA) based on the information currently available regarding the CRA.

Product properties

Product type	Extension module
Product family	PLC-INTERFACE
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	≤ 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	≤ 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_{PP}
Load/output load voltage output	10 kΩ
Surge voltage protection	> 33 V
Maximum transmission error	1 % (relative to range final value)
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 % (relative to range final value)
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 mm² ... 2.5 mm²
Conductor cross-section flexible	0.14 mm² ... 2.5 mm²
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

CE

Certificate	CE-compliant

UL, USA/Canada

Identification	UL 508 Listed

Shipbuilding approval

Certificate	TAE0000196

Shipbuilding data

Temperature	D
Humidity	A
Vibration	B/C
EMC	B
Enclosure	Required protection according to the Rules shall be provided upon installation on board

Standards and regulations

Air clearances and creepage distances

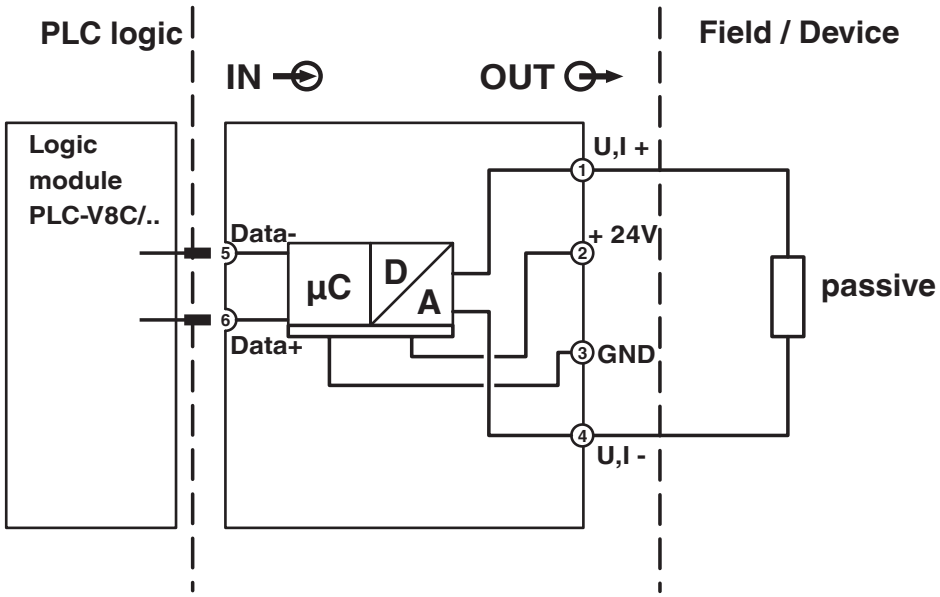
Standards/regulations	DIN EN 50178

Mounting

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

Drawings

Block diagram



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

DNV
Approval ID: TAE0000196

Classifications

ECLASS

ECLASS-13.0	27242201
ECLASS-15.0	27242201

ETIM

ETIM 10.0	EC001420

UNSPSC

UNSPSC 21.0	32151600

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	43a911b6-5134-4729-9bb8-3a0d6d69dde0

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