

AXL SE AO4 I 0-20 - Analog module



1296372

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Axioline Smart Elements, Analog output module, Analog outputs: 4, 0 mA ... 20 mA, connection technology: 2-conductor, degree of protection: IP20

Product Description

You can integrate Axioline Smart Elements into systems with the Smart Element interface. This Smart Element emits analog current signals.

Your advantages

- 4 analog output channels
- Connection of actuators in 2-conductor technology
- Current range: 0 mA ... 20 mA
- Data format: standardized representation
- Resolution: 12 bits
- Substitute value behavior can be parameterized for each output
- Device rating plate stored

Commercial Data

Item number	1296372
Packing unit	1 pc
Minimum order quantity	1 pc
Product Key	DRIB42
GTIN	4063151534103
Weight per Piece (including packing)	39.1 g
Weight per Piece (excluding packing)	36.4 g
Country of origin	DE

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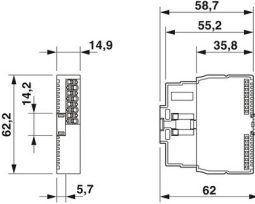
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Technical Data

Dimensions

Dimensional drawing		
Width		14.9 mm
Height		62.2 mm
Depth		62 mm

Notes

Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area
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Interfaces

Smart Element interface

Number of interfaces	1
Connection method	Card edge connector
Transmission speed	See system in which you use the Smart Element.
Start time until ready to operate	< 1000 ms

System properties

Module

ID code (hex)	none
Process data channel	64 bit
Input address area	8 Byte
Output address area	8 Byte
Required parameter data	24 Byte
Required configuration data	7 Byte

Output data

Analog

Output name	Analog outputs
Connection method	Push-in technology
Connection technology	2-conductor
Note regarding the connection technology	shielded, twisted pair
Number of outputs	4

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D/A converter resolution	12 bit
Protective circuit	Short-circuit and overload protection; electronic
	Transient protection
Data formats	Standardized representation
Representation of output values	16 bits
Process data update	typ. 1 ms
Current output signal	0 mA ... 20 mA
Load/output load current output	max. 500 Ω
Permissible cable length	max. 250 m

Product properties

Type	modular
Product type	I/O component
Product family	Axioline Smart Elements
Mounting position	See the system in which the Smart Element is used.

Insulation characteristics

Overvoltage category	II (IEC 60664-1, EN 60664-1)
Pollution degree	2 (IEC 60664-1, EN 60664-1)

Electrical properties

Potentials: Communications power supply of the Smart Elements (U_{SE})

Supply voltage	using card edge connectors
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Potentials: I/O supply (U_P)

Supply voltage	24 V DC (using card edge connectors)
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Current draw	max. 120 mA
	typ. 100 mA
Current consumption	min. 30 mA (without connected peripherals)
Power consumption	max. 2.88 W
	min. 720 mW
Protective circuit	Surge protection; See the system in which the Smart Element is used.
	Reverse polarity protection; Polarity protection diode

Connection data

Connection technology

Connection name	I/O
Note on the connection method	Please observe the information provided on conductor cross sections in the "Axioline Smart Elements" user manual.

Conductor connection

Connection method	Push-in connection
Conductor cross section rigid	0.25 mm ² ... 1.5 mm ²