

ACT20P ACT20P-CI-CO-ILP

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Similar to illustration



ACT20P: The flexible solution

- Precise and highly functional signal converters
- Simple configuration via display (Pro DCDC II), FDT/DTM software or DIP switch
- Release levers simplify handling
- More space in the control cabinet, from 12.5 mm wide for two channels

General ordering data

Type	ACT20P-CI-CO-ILP
Order No.	7760054123
Version	Signal converter/isolator, Input current loop feed, Input : 0(4)-20 mA, Output : 0(4)-20 mA
GTIN (EAN)	6944 169656637
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Width	12.5 mm	Width (inches)	0.492 inch
Height	117.2 mm	Height (inches)	4.614 inch
Depth	114 mm	Depth (inches)	4.488 inch
Weight	126 g	Net weight	100 g

Temperatures

Humidity	5...95 %, no condensation	Operating temperature	
Ambient temperature	-20 °C...+60 °C	Storage temperature	

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Input

Number of inputs	1	Sensor	Current source
Input current	0(4)...20 mA current loop	Voltage drop, current input	3.8 V

Output

Number of outputs	1	Output current	0(4)...20 mA
load impedance current	≤ 600 Ω		

General data

Accuracy	< 0.1 % of end value	Configuration	none
Galvanic isolation	2-way isolator	Rail	TS 35
Step response time	≤ 1 ms	Temperature coefficient	≤ 100 ppm/K
Voltage supply	Loop powered, via 4...20 mA input		

Insulation coordination

EMC standards	EN 61010-1:2011, UL 61010-1, IEC61000-6-2, IEC 61000-6-4	Galvanic isolation	2-way isolator
Impulse withstand voltage	4 kV (1.2/50 μs)	Insulation voltage	2 kV inputs / outputs
Pollution severity	2	Rated voltage	300 V
Surge voltage category	III		

Connection data

Type of connection	Screw connection	Tightening torque, min.	0.4 Nm
Tightening torque, max.	0.6 Nm	Clamping range, rated connection	2.5 mm ²
Clamping range, min.	0.5 mm ²	Clamping range, max.	2.5 mm ²
Wire connection cross section AWG, min.	AWG 30	Wire connection cross section AWG, max.	AWG 14

Classifications

ETIM 6.0	EC002475	eClass 6.2	27-21-01-07
eClass 9.0	27-21-01-23	eClass 9.1	27-21-01-23

Data sheet

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Product information

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The ACT20P-CI-CO-ILP-S fixed passive isolators isolate analogue standard current source signals. An analogue input current signal is converted linear and galvanic isolated into an analogue output current signal. The device is powered via the input current loop.

Features

- Galvanic 2-way isolation (single-channel device) between input and output.

Approvals

Approvals



Downloads

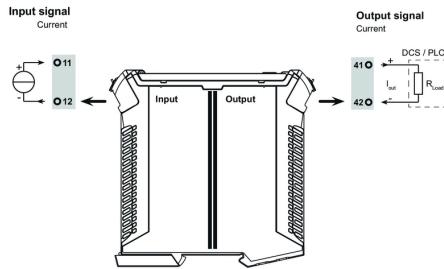
Approval/Certificate/Document of Conformity	Declaration of Conformity
Engineering Data	EPLAN
Engineering Data	STEP
User Documentation	Instruction sheet

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Drawings

Block diagram



Dimensioned drawing

