

ACT20P
ACT20P-CI1-CO-OLP-S

Weidmüller Interface GmbH & Co. KG
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Similar to illustration**ACT20P: The flexible solution**

- Precise and highly functional signal converters
- Release levers simplify handling

General ordering data

Type	ACT20P-CI1-CO-OLP-S
Order No.	7760054118
Version	Signal converter/isolator, Output current loop powered, Input : 0-20 mA, Output : 4-20 mA, (loop powered)
GTIN (EAN)	6944 169656583
Qty.	1 pc(s).

Creation date September 15, 2020 9:54:43 PM CEST

Catalogue status 11.09.2020 / We reserve the right to make technical changes.

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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, max.	60 °C
Operating temperature, min.	-20 °C	Storage temperature, min.	-40 °C
Operating temperature	-20 °C...60 °C	Ambient temperature	-20 °C...+60 °C
Storage temperature	-40 °C...		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Input

Number of inputs	1	Sensor	Current source
Input current	0...20 mA	Voltage drop, current input	< 3 V

Output

Number of outputs	1	Output current	4...20 mA, loop-powered
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	via output current loop, min. 12 V DC/ max. 30 V DC		

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		

Data for Ex applications (ATEX)

Marking	II 3 G Ex ec IIC T6 Gc
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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 26	Wire connection cross section AWG, max.	AWG 12

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Data sheet

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Classifications

ETIM 6.0	EC002475	ETIM 7.0	EC002475
eClass 9.0	27-21-01-23	eClass 9.1	27-21-01-23
eClass 10.0	27-21-01-23		

Product information

Product information The ACT20P-CIX-CO-OLP-S single-channel fixed passive isolator isolates 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 output current loop.

Features

- 2-way galvanic isolation between input and output.

Approvals

Approvals



ROHS Conform

Downloads

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

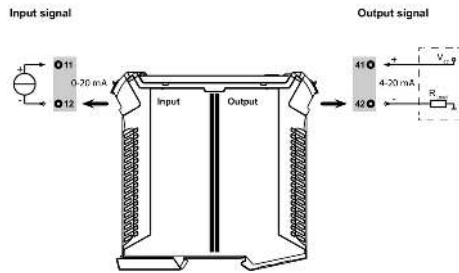
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Drawings

Connection diagram



Dimensioned drawing

