

ACT20P-CI1-CO-OLP-S**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Similar to illustration**ACT20P: The flexible solution**

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

General ordering data

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

Creation date April 16, 2021 8:55:20 AM CEST

Catalogue status 09.04.2021 / We reserve the right to make technical changes.

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Technical data**Dimensions and weights**

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

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-20 °C...60 °C
Humidity	5...95 %, no condensation		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Input

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

Output

Load impedance current	≤ 600 Ω	Number of outputs	1
Output current	4...20 mA, loop-powered		

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
Type of connection	Screw connection	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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Technical data

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	ECLASS 11.0	27-21-01-23

Important note

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
UL File Number Search	E469563

Downloads

Approval/Certificate/Document of Conformity	ATEX Certification IECEX Certification UL Certification (hazardous location) UL Certification (US-CAN) Declaration of Conformity
Engineering Data	STEP
Engineering Data	EPLAN
User Documentation	Instruction sheet
Brochure/Catalogue	Catalogues in PDF-format

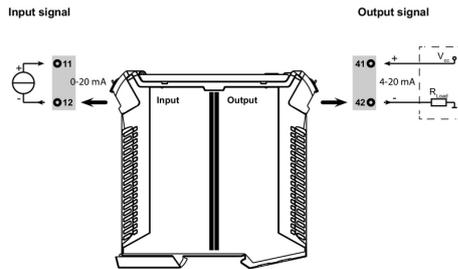
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Drawings

Connection diagram



Dimensioned drawing

