

**ACT20P-CI2-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 : 4-20 mA, Output : 4-20 mA, (loop powered)
Order No.	<a href="#">7760054119</a>
Type	ACT20P-CI2-CO-OLP-S
GTIN (EAN)	6944 169656590
Qty.	1 pc(s).

Creation date March 10, 2023 8:33:06 AM CET

Catalogue status 03.03.2023 / 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
Width	12.5 mm	Width (inches)	0.492 inch
Net weight	100 g		

**Temperatures**

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

**Probability of failure**

SIL in compliance with IEC 61508	None
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**Input**

Input current	4...20mA	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	Type	passive, connected control must be active

**General data**

Accuracy	< 0.1 % of end value	Configuration	none
Galvanic isolation	2-way isolator	Long-term drift	0
Rail	TS 35	Step response time	≤ 2 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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**Technical data****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 <sup>2</sup>
Clamping range, min.	0.5 mm <sup>2</sup>	Clamping range, max.	2.5 mm <sup>2</sup>
Wire connection cross section AWG, min.	AWG 26	Wire connection cross section AWG, max.	AWG 12

**Classifications**

ETIM 6.0	EC002653	ETIM 7.0	EC002653
ETIM 8.0	EC002653	ECLASS 9.0	27-21-01-20
ECLASS 9.1	27-21-01-20	ECLASS 10.0	27-21-01-20
ECLASS 11.0	27-21-01-20	ECLASS 12.0	27-21-01-20

**Environmental Product Compliance**

REACH SVHC	Lead 7439-92-1
SCIP	2f6dd957-421a-46db-a0c2-cf1609156924

**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 <ul style="list-style-type: none"> <li>• 2-way galvanic isolation between input and output.</li> </ul>
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**Approvals**

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURusEX)	E338066
Certificate no. (cULus)	E469563

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">ATEX Certification</a> <a href="#">IECEx Certification</a> <a href="#">UL Certification (hazardous location)</a> <a href="#">UL Certification (US-CAN)</a> <a href="#">Declaration of Conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">Instruction sheet</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

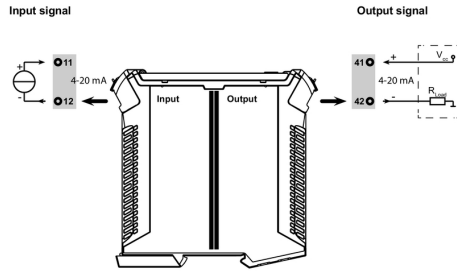
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**Drawings**

**Connection diagram**



**Dimensioned drawing**

