

ACT20P-CI-2CO-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/insulator, Input : 4-20 mA, Output : 2 x 4-20 mA, (loop powered), Signal distributor, Output current loop powered
Order No.	7760054122
Type	ACT20P-CI-2CO-OLP-S
GTIN (EAN)	6944 169656620
Qty.	1 pc(s).

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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	105 g		

Temperatures

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

Input

Input current	4...20mA	Number of inputs	1
Sensor	Current source	Voltage drop, current input	< 3 V

Output

Load impedance current	$R_L = (U_B - 12 \text{ V}) / 20 \pm 20 \text{ mA}$, e.g. 600 Ω at 24 V	Number of outputs	2
Output current	4...20 mA, loop-powered	Type	passive, connected control must be active

Output (analogue)

Output current	4...20 mA, loop-powered
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General data

Accuracy	< 0.1 % of end value	Configuration	none
Galvanic isolation	3-way isolator	Rail	TS 35
Step response time	$\leq 2 \text{ ms}$	Temperature coefficient	$\leq 100 \text{ ppm/K}$
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	3-way isolator
Impulse withstand voltage	4 kV (1.2/50 μs)	Insulation voltage	2 kV (Input /Output), 1 min, 50 Hz
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 mm ²
Tightening torque, max.	0.6 mm ²	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

Classifications

ETIM 6.0	EC002653	ETIM 7.0	EC002653
ETIM 8.0	EC002653	ETIM 9.0	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	ECLASS 13.0	27210120

Environmental Product Compliance

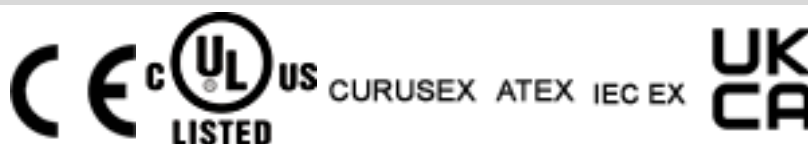
REACH SVHC	Lead 7439-92-1
SCIP	2f6dd957-421a-46db-a0c2-cf1609156924

Important note

Product information	The ACT20P-CI-2CO-OLP-S fixed passive isolator isolates analogue standard current source signals. An analogue input current signal is converted linearly and doubled to provide two galvanically separated output current signals. The device is powered via the output current loop. Features • 3-way galvanic isolation between input, output 1 and output 2.
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Approvals

Approvals



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

Downloads

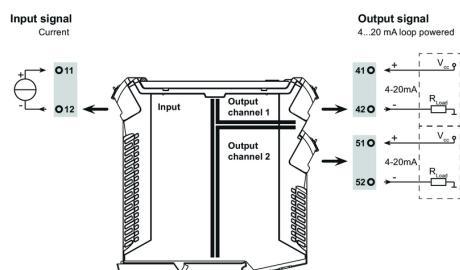
Approval/Certificate/Document of Conformity	ATEX Certification Application notes – IECEx Certification Application notes – UL Certification (hazardous location) Application notes – UL Certification (US-CAN) Application notes – Declaration of Conformity
Engineering Data	CAD data – STEP
User Documentation	Device description – Instruction sheet
Catalogues	Catalogues in PDF-format

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Drawings
Connection diagram

Dimensioned drawing
