

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

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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 : 0-10 V, Output : 4-20 mA, (loop powered), Signal converter/isolator, Output current loop powered
Order No.	<a href="#">7760054121</a>
Type	ACT20P-VI-CO-OLP-S
GTIN (EAN)	6944169656613
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	100 g		

**Temperatures**

Storage temperature	-40 °C...85 °C	Operating temperature	-20 °C...60 °C
Humidity at operating temperature	0...95 % (no condensation)	Humidity	5...95 %, no condensation

**Probability of failure**

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

Input resistance, voltage	≥ 300 kΩ	Input voltage	0...10 V
Number of inputs	1	Sensor	Voltage source

**Output**

Load impedance current	≤ 600 Ω	Number of outputs	1
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	<0.2 % of end value	Configuration	none
Galvanic isolation	2-way isolator	Power consumption, typ.	2 W
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 61326-1, EN 61000-6-2, EN 61000-6-4	Galvanic isolation	2-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 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	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	27-21-01-20

### Environmental Product Compliance

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

### Important note

Product information	<p>The ACT20P-VIX-CO-OLP-S single-channel fixed passive isolator isolates and converts analogue standard signals. An analogue input voltage signal is linearly converted into an analogue output current signal and galvanically isolated. The device is powered via the output current loop.</p> <p>Features</p> <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

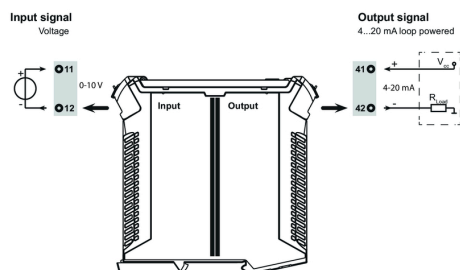
### Downloads

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**