

ACT20P-VI1-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 : 0-5 V, Output : 4-20 mA, (loop powered)
Order No.	7760054120
Type	ACT20P-VI1-CO-OLP-S
GTIN (EAN)	6944 169656606
Qty.	1 Stück

Erstellungs-Datum June 1, 2023 10:48:36 AM CEST

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Technische Daten

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		

Input

Input resistance, voltage	≥ 300 kΩ	Input voltage	0...5 V DC
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	< 0.1 % 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 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 (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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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

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	<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"> • 2-way galvanic isolation between input and output.
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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 IECEx Certification UL Certification (hazardous location) UL Certification (US-CAN) Declaration of Conformity
Engineering Data	CAD data – STEP
Engineering Data	EPLAN
User Documentation	Instruction sheet
Catalogues	Catalogues in PDF-format

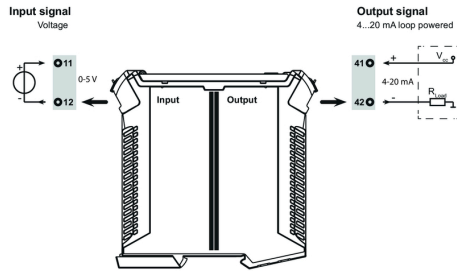
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Zeichnungen

Connection diagram



Dimensioned drawing

