

**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	Passive isolator, Input : 0-20 mA, Output : 4-20 mA, (loop powered), Signal converter/isolator, Output current loop powered
Order No.	<a href="#">7760054118</a>
Type	ACT20P-CI1-CO-OLP-S
GTIN (EAN)	6944 169656583
Qty.	1 items

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## Technical data

### Approvals

Approvals



ROHS	Conform
UL File Number Search	<a href="#">UL Website</a>
Certificate No. (cURusEX)	E338066
Certificate no. (cULus)	E469563

### Dimensions and weights

Depth	114 mm	Depth (inches)	4.4882 inch
Height	117.2 mm	Height (inches)	4.6142 inch
Width	12.5 mm	Width (inches)	0.4921 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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### Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7a, 7cl
REACH SVHC	Lead 7439-92-1
SCIP	2f6dd957-421a-46db-a0c2-cf1609156924

### Input

Sensor	Current source, 4- wire sensor (with own power supply)	Number inputs	1
Input current	0...20 mA	Voltage drop, current input	<3 V

### Output

Number of outputs	1	Load impedance current	≤ 600 Ω
Type	passive, connected control must be active	Output current	4...20 mA, loop-powered

### General data

Accuracy	<0.1 % of end value	Protection degree	IP20
Supply voltage	via output current loop, min. 12 V DC/ max. 30 V DC	Step response time	≤ 1 ms
Mounting rail	TS 35	Temperature coefficient	≤ 100 ppm/K
Nominal power consumption	2 VA	Configuration	none
Operating altitude	≤ 2000 m		

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### Insulation coordination

Impulse withstand voltage	4 kV (1.2/50 µs)	EMC standards	EN 61326-1, EN 61000-6-2, EN 61000-6-4
Surge voltage category	III	Pollution severity	2
Galvanic isolation	2-way isolator	Insulation voltage	2 kV inputs / outputs
Rated voltage	300 V		

### Data for Ex applications (ATEX)

Marking	II 3 G Ex ec IIC T6 Gc	IECEx - gas labelling	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 <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

### Part description

Product description	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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### Classifications

ETIM 8.0	EC002653	ETIM 9.0	EC002653
ETIM 10.0	EC002653	ECLASS 14.0	27-21-01-20
ECLASS 15.0	27-21-01-20		

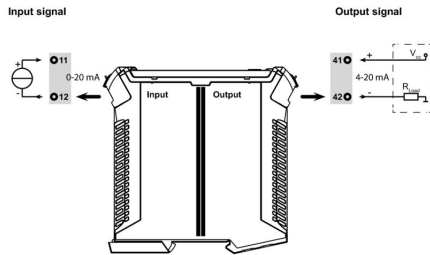
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Drawings

[www.weidmueller.com](http://www.weidmueller.com)

Connection diagram



Dimensioned drawing

