

**ACT20P-CI-VO-P****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(4)-20 mA, Output : 0-10 V, Signal converter/isolator
Order No.	<a href="#">2489740000</a>
Type	ACT20P-CI-VO-P
GTIN (EAN)	4050118535181
Qty.	1 pc(s).

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**Technical data****Dimensions and weights**

Depth	113.7 mm	Depth (inches)	4.476 inch
Height	127.1 mm	Height (inches)	5.004 inch
Width	12.5 mm	Width (inches)	0.492 inch
Net weight	120 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 current	0...20 mA, 4...20mA	Number of inputs	1
Sensor supply	> 17 V DC at 20 mA	Voltage drop	≤ 1 V

**Output**

Load impedance current	≤ 550 Ω	Number of outputs	1
Output voltage, note	0...10 V (if input: 0...20 mA), 2...10 V (if input: 4...20 mA)	Type	active, connected control must be passive
load impedance voltage	≥ 600 kΩ		

**General data**

Accuracy	±0,1 % FSR max., 0,05 % FSR typ.	Configuration	none
Current consumption	≤60 mA (24V power supply, 20mA output)	Galvanic isolation	3-way isolator, between input/output/supply
Rail	TS 35	Step response time	≤ 0,5 ms
Temperature coefficient	80 ppm/K	Voltage supply	20...30 V DC

**Insulation coordination**

EMC standards	EN 61326-1	Galvanic isolation	3-way isolator, between input/output/supply
Impulse withstand voltage	4 kV (1.2/50 μs)	Insulation voltage	2 kV inputs / outputs / power supply
Pollution severity	2	Surge voltage category	III
Test voltage	0.3 kV		

**Data for Ex applications (ATEX)**

Marking	II 3 G Ex ec IIC T5 Gc
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## Technical data

## Connection data

Type of connection	PUSH IN	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 14
Wire cross-section, solid, min.	0.2 mm <sup>2</sup>	Wire cross-section, solid, max.	2.5 mm <sup>2</sup>
Wire connection cross section, finely stranded, min.	0.5 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	2.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm <sup>2</sup>

## 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 fixed DC repeater ACT20P-CI-VO isolates analogue standard current signals from a power source or from a 2- or 3-wire sensor. An analogue input current signal is converted linear and galvanic isolated into an analogue output voltage signal. The power supply is galvanically isolated from input and output (3-way isolation).</p> <p>Features</p> <ul style="list-style-type: none"> <li>• The active or passive mA current signal inputs are completely electrically isolated.</li> <li>• Front LED indicates operation status.</li> <li>• 3-way galvanic isolation between input, output and power supply</li> </ul>
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## Approvals

Approvals



Approvals	CULUS;
ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E469563
Certificate no. (cULusEX)	E338066

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## Technical data

### Downloads

Approval/Certificate/Document of Conformity	<a href="#">IECEX Certification</a>
	<a href="#">ATEX 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>

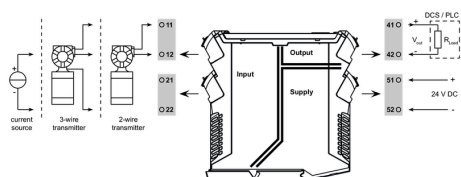
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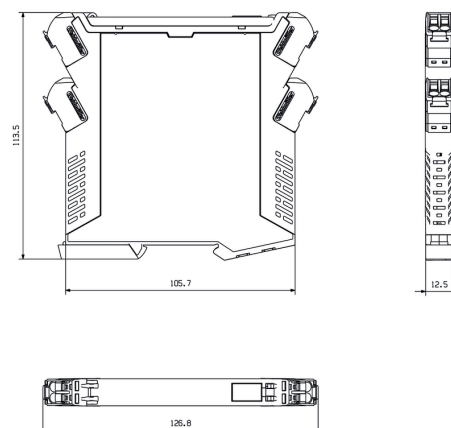
[www.weidmueller.com](http://www.weidmueller.com)

## Drawings

### Connection diagram



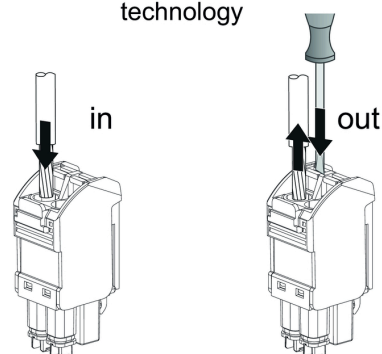
### Dimensioned drawing



### Similar to illustration



### PUSH IN technology



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## Accessories

## Blank



ESG is the tried-and-tested marker in MultiCard format for use on many well-known electrical devices. The result is high-quality device marking with a high-contrast appearance.

Various types are available for devices from manufacturers like Siemens, ABB, Beckhoff etc.

Advantages at a glance:

- Tags for universal usage, self-adhesive or clip-on tags, depending on type
- For aligned equipment, e.g. circuit breakers, we supply ESG markers for clipping onto tag rails
- Individual laser-quality printing according to specifications

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

## General ordering data

Type	ESG 6.6/11 BHZ 5.00/02	Version
Order No.	<a href="#">1082490000</a>	ESG, Device markers x 11 mm, PA 66, Colour: white
GTIN (EAN)	4032248845330	
Qty.	200 pc(s).	

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**General ordering data**

Type	ESG 8/13.5/43.3 SAI AU	Version
Order No.	<a href="#">1912130000</a>	ESG, Device markers x 13.5 mm, PA 66, Colour: Transparent
GTIN (EAN)	4032248541164	
Qty.	5 pc(s).	