

**ACT20P-CI-2CO-OLP-P**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com



**ACT20P: The flexible solution**

- Precise and highly functional signal converters
- Release levers simplify handling

**General ordering data**

Version	Passive isolator, Input : 4-20 mA, Output : 2 x 4-20 mA, (loop powered), Signal distributor, Output current loop powered
Order No.	<a href="#">2619390000</a>
Type	ACT20P-CI-2CO-OLP-P
GTIN (EAN)	4050118622904
Qty.	1 items

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## Technical data

## Approvals

Approvals



ROHS Conform

## Dimensions and weights

Depth	114 mm	Depth (inches)	4.4882 inch
Height	127.1 mm	Height (inches)	5.0039 inch
Width	12.5 mm	Width (inches)	0.4921 inch
Net weight	140 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

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

## Output

Load impedance current	$RL = (UB - 12 \text{ V}) / 20 \pm 20 \text{ mA}$ , e.g. 600 $\Omega$ at 24 V	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	$\leq 2 \text{ ms}$
Mounting rail	TS 35	Type of signal forwarding according to HART®	unchanged
Nominal power consumption	2 VA	Configuration	none
Operating altitude	$\leq 2000 \text{ m}$		

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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	Insulation voltage	2 kV (Input /Output), 1 min, 50 Hz
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	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.	0.5 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.	0.2 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm <sup>2</sup>

## Part description

Product description	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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## 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		

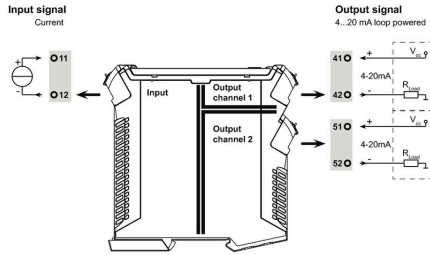
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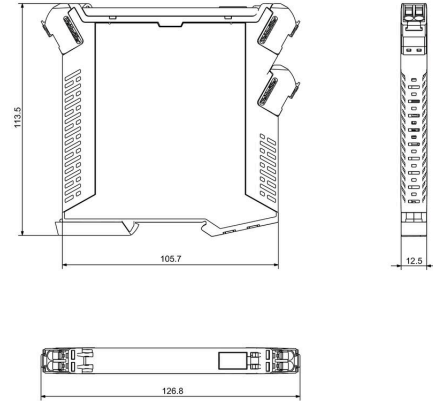
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Drawings

Connection diagram



Dimensioned drawing



PUSH IN technology

