

**ACT20P-2CI-2CO-ILP-P**

**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 : 2 x 0(4) - 20 mA, (loop powered), Output : 2 x 0(4) - 20 mA, Input current loop feed
Order No.	<a href="#">7760054358</a>
Type	ACT20P-2CI-2CO-ILP-P
GTIN (EAN)	4050118559729
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	127.1 mm	Height (inches)	5.0039 inch
Width	12.5 mm	Width (inches)	0.4921 inch
Net weight	140 g		

### Temperatures

Storage temperature		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	4- wire sensor (with own power supply), Current source	Number inputs	2
Voltage drop, current input	≤ 3.5 V @ I input = 20 mA		

### Output

Number of outputs	2	Load impedance current	≤ 600 Ω
Type	active, connected control must be passive	Output current	0...20 mA (if input: 0...20 mA), 4...20 mA (if input: 4...20 mA)

### General data

Accuracy	<0.1 % of end value	Protection degree	IP20
Supply voltage	Loop powered, via 4...20 mA input	Step response time	≤ 1 ms
Mounting rail	TS 35	Nominal power consumption	2 VA
Configuration	none	Operating altitude	≤ 2000 m

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**Technical data**

**Insulation coordination**

Impulse withstand voltage	4 kV (1.2/50 µs)	EMC standards	EN 61326-1, EN 61000-6-2, EN 61000-6-4
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	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>

**Part description**

Product description	<p>The ACT20P-2CI-2CO-ILP-S (dual channel) fixed passive isolators isolate 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 input current loop.</p> <p>Features</p> <ul style="list-style-type: none"> <li>Galvanic 4-way isolation (dual-channel device) between all inputs and outputs.</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		

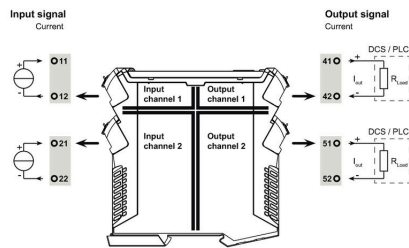
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Drawings

Connection diagram



Dimensioned drawing



PUSH IN technology

