

ACT20P-2CI-2CO-ILP-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, dual channel, Input current loop feed, Input : 2 x 0(4) - 20 mA, (loop powered), Output : 2 x 0(4) - 20 mA
Order No.	7760054124
Type	ACT20P-2CI-2CO-ILP-S
GTIN (EAN)	6944 169656644
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Depth	114 mm	Depth (inches)	4.488 inch
Height	117.2 mm	Height (inches)	4.614 inch
Net weight	110 g	Weight	136 g
Width	12.5 mm	Width (inches)	0.492 inch

Temperatures

Humidity	5...95 %, no condensation
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Input

Input	2 x 0(4) - 20 mA, (loop powered)	Input current	0(4)...20 mA current loop
Number of inputs	2	Sensor	Current source
Voltage drop, current input	3.8 V, Approx. 3 V at $R_L = 0 \Omega$; approx. 13 V at $R_L = 500 \Omega$; ($I_{IN} = 20 \text{ mA}$)		

Output

Load impedance current	$\leq 600 \Omega$	Number of outputs	2
Output	2 x 0(4) - 20 mA	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	Configuration	none
Galvanic isolation	2-way isolator	Rail	TS 35
Step response time	$\leq 1 \text{ ms}$	Temperature coefficient	$\leq 100 \text{ ppm/K}$
Type of connection	Screw connection	Voltage supply	Loop powered, via 4...20 mA input

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 inputs / outputs
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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Classifications

ETIM 6.0	EC002475	ETIM 7.0	EC002475
eClass 9.0	27-21-01-23	eClass 9.1	27-21-01-23
eClass 10.0	27-21-01-23	eClass 11.0	27210123

Creation date December 3, 2020 2:51:55 PM CET

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Technical data**Important note**

Product information

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.

Features

- Galvanic 4-way isolation (dual-channel device) between all inputs and outputs.

Approvals

Approvals



ROHS

Conform

UL File Number Search

E469563

Downloads

Approval/Certificate/Document of Conformity

[ATEX Certification](#)
[IECEX Certification](#)
[Declaration of Conformity](#)

Engineering Data

[STEP](#)

Engineering Data

[EPLAN](#)

User Documentation

[Instruction sheet](#)

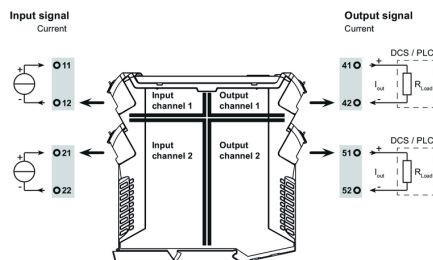
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Drawings

Connection diagram



Dimensioned drawing

