

ACT20P-CI-CO-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, Input current loop feed, Input : 0(4)-20 mA, (loop powered), Output : 0(4)-20 mA
Order No.	7760054123
Type	ACT20P-CI-CO-ILP-S
GTIN (EAN)	6944 169656637
Qty.	1 pc(s).

Creation date July 15, 2021 6:44:55 AM CEST

Catalogue status 02.07.2021 / We reserve the right to make technical changes.

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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
Width	12.5 mm	Width (inches)	0.492 inch
Weight	126 g	Net weight	100 g

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-20 °C...60 °C
Humidity	5...95 %, no condensation		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Input

Input current	0(4)...20 mA current loop	Number of inputs	1
Sensor	Current source	Voltage drop, current input	3.8 V

Output

Load impedance current	≤ 600 Ω	Number of outputs	1
Output current	0...20 mA (if input: 0...20 mA), 4...20 mA (if input: 4...20 mA)	Type	active, connected control must be passive

General data

Accuracy	< 0.1 % of end value	Configuration	none
Galvanic isolation	2-way isolator	Rail	TS 35
Step response time	≤ 1 ms	Temperature coefficient	≤ 100 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, IEC 60079-0, IEC 60079-7	Galvanic isolation	2-way isolator
Impulse withstand voltage	3 kV (1.2/50µs)	Insulation voltage	2.5 kV (input / output)
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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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 ²
Clamping range, min.	0.5 mm ²	Clamping range, max.	2.5 mm ²
Wire connection cross section AWG, min.	AWG 26	Wire connection cross section AWG, max.	AWG 12

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Technical data**Classifications**

ETIM 6.0	EC002475	ETIM 7.0	EC002475
ETIM 8.0	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	27-21-01-23		

Important note

Product information

The ACT20P-CI-CO-ILP-S 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 2-way isolation (single-channel device) between input and output.

Approvals

Approvals



ROHS

Conform

UL File Number Search

E469563

Downloads

Approval/Certificate/Document of Conformity

[ATEX Certification](#)
[IECEX Certification](#)
[UL Certification \(hazardous location\)](#)
[UL Certification \(US-CAN\)](#)
[Declaration of Conformity](#)

Engineering Data

[STEP](#)

Engineering Data

[EPLAN](#)

User Documentation

[Instruction sheet](#)

Catalogues

[Catalogues in PDF-format](#)

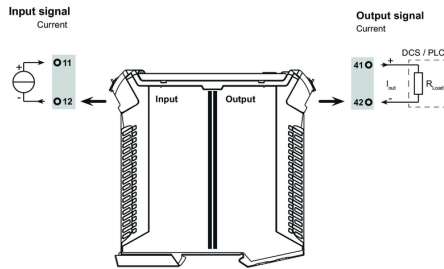
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Drawings

Connection diagram



Dimensioned drawing

