

ACT20P-CI-VO-P-S**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image****ACT20P: The flexible solution**

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

General ordering data

Version	Signal converter/isolator, Input : 0(4)-20 mA, Output : 0-10 V, Voltage supply also via CH20M rail bus
Order No.	1537750000
Type	ACT20P-CI-VO-P-S
GTIN (EAN)	4050118342147
Qty.	1 pc(s).

Creation date March 24, 2021 5:26:29 AM CET

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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Technical data**Dimensions and weights**

Depth	113.7 mm	Depth (inches)	4.476 inch
Height	119.2 mm	Height (inches)	4.693 inch
Net weight	140 g	Weight	110 g
Width	12.5 mm	Width (inches)	0.492 inch

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...20 mA, 4...20mA	Input signal	2-/3-wire transmitter, Current source
Number of inputs	1	Sensor supply	> 17 V DC at 20 mA
Voltage drop	≤ 1 V		

Output

Number of outputs	1	Output voltage, note	0...10 V (if input: 0...20 mA), 2...10 V (if input: 4...20 mA)
load impedance voltage	≥ 600 Ω		

General data

Accuracy	< 0.1 % of end value	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	Type of connection	Screw connection
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	300 V		

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	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

Classifications

ETIM 6.0	EC002653	ETIM 7.0	EC002653
ECLASS 9.0	27-21-01-20	ECLASS 9.1	27-21-01-90
ECLASS 10.0	27-21-01-20	ECLASS 11.0	27-21-01-20

Important note

Product information	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). Features • The active or passive mA current signal inputs are completely electrically isolated. • Front LED indicates operation status. • 3-way galvanic isolation between input, output and power supply
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Approvals

Approvals



ROHS	Conform
UL File Number Search	E366074

Downloads

Approval/Certificate/Document of Conformity	IECEX Certification ATEX Certification UL Certification (hazardous location) UL Certification (US-CAN) Declaration of Conformity
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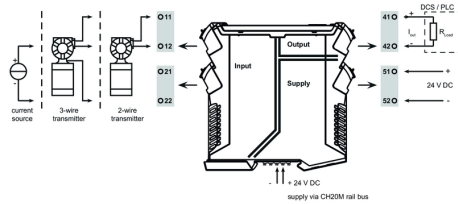
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Drawings

Connection diagram



Dimensioned drawing

