

ACT20P-VI3-VO3-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 : -10...0...+10 V, Output : -10...0...+10 V
Order No.	7760054131
Type	ACT20P-VI3-VO3-S
GTIN (EAN)	6944169684531
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
Width	12.5 mm	Width (inches)	0.492 inch
Net weight	105 g		

Temperatures

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

Probability of failure

SIL in compliance with IEC 61508	None
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Input

Input resistance, voltage	$\geq 100 \text{ k}\Omega$	Input voltage	-10 V...0...+10 V
Number of inputs	1	Sensor	Voltage source

Output

Load impedance current	$\leq 600 \Omega$	Number of outputs	1
Output voltage, note	-10 V...0...+10 V	Type	active, connected control must be passive
load impedance voltage	$\geq 2 \text{ k}\Omega$		

General data

Accuracy	< 0.1 % of end value	Configuration	none
Current consumption	30 mA	Galvanic isolation	3-way isolator
Long-term drift	0	Step response time	$\leq 100 \text{ ms}$
Temperature coefficient	$\leq 100 \text{ ppm/K}$	Type of connection	Screw connection
Voltage supply	24 V DC $\pm 20 \%$		

Insulation coordination

EMC standards	EN 61010-1:2011, UL 61010-1, IEC 61000-6-2, IEC 61000-6-4	Galvanic isolation	3-way isolator
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		

Connection data

Type of connection	Screw connection	Clamping range, rated connection	2.5 mm ²
Clamping range, min.	0.5 mm ²	Clamping range, max.	2.5 mm ²
Wire cross-section, solid, min.	0.5 mm ²	Wire cross-section, solid, max.	2.5 mm ²

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www.weidmueller.com**Technical data****Classifications**

ETIM 6.0	EC002653	ETIM 7.0	EC002653
ETIM 8.0	EC002653	ECLASS 9.0	27-21-01-20
ECLASS 9.1	27-21-01-20	ECLASS 10.0	27-21-01-20
ECLASS 11.0	27-21-01-20	ECLASS 12.0	27-21-01-20

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	2f6dd957-421a-46db-a0c2-cf1609156924

Approvals

Approvals



ROHS	Conform
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Downloads

Engineering Data	CAD data – STEP
User Documentation	Declaration of Conformity Instruction sheet
Catalogues	Catalogues in PDF-format

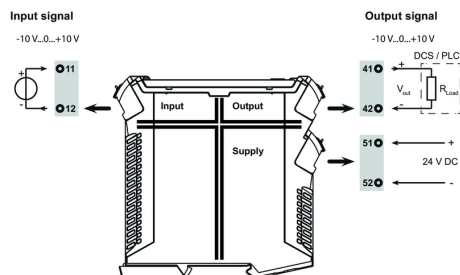
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Drawings

Connection diagram



Dimensioned drawing

