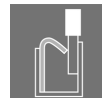
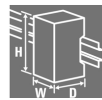


**ACT20P-VM-AO-P****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image****FDT** 2**ACT20P: The flexible solution**

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

**General ordering data**

Version	Signal converter/insulator, Input : AC/DC voltage, 0...600 V DC, 0...440 V AC, Output : 0-10 V, 0(4)-20 mA, Signal converter/isolator
Order No.	<a href="#">7760054360</a>
Type	ACT20P-VM-AO-P
GTIN (EAN)	4050118559743
Qty.	1 pc(s).

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**Technical data****Dimensions and weights**

Depth	114.3 mm	Depth (inches)	4.5 inch
Height	119.2 mm	Height (inches)	4.693 inch
Width	22.5 mm	Width (inches)	0.886 inch
Net weight	140 g		

**Temperatures**

Storage temperature	-40 °C...85 °C	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	MTTF	140 a
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**Input**

Input resistance		Input voltage	0...30 V DC, 0...60 V DC, 0...300 V DC, 0...440 V DC, 0...660 V DC, 0...60 V AC, 0...144 V AC, 0...300 V AC, 0...440 V AC
	1 MΩ±5%		
Number of inputs	1		

**Output**

Load impedance current	≤ 500 Ω	Number of outputs	1
Output current	0...20 mA, 4...20 mA	Output voltage, note	0...10 V
Type	active, connected control must be passive	load impedance voltage	≥ 10 kΩ

**Output (analogue)**

Output current	0...20 mA, 4...20 mA
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**General data**

Accuracy		Configuration	With FDT/DTM software, Requires configuration adapter 8978580000 CBX200 USB
	0.5 % FSR		
Galvanic isolation	between input / output / supply	Power consumption	≤ 100 mA @ 24 VDC, ≤ 120mA @ 24V AC
Rail	TS 35	Step response time	<300 ms
Temperature coefficient	≤ 200 ppm/K	Voltage supply	24...240 VUC (±10%)

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## Technical data

## Insulation coordination

EMC standards	EN 61326-1, EN 61000-6-2, EN 61000-6-4	Galvanic isolation	between input / output / supply
Impulse withstand voltage	4 kV (1.2/50 µs) input - output, 4 kV (1.2/50 µs) input / supply, 2.5 kV (1.2/50 µs) output / supply	Insulation voltage	1.5 kV AC output / supply, 2 kV AC input / output, 2 kV AC input / supply
Pollution severity	2	Rated voltage	600 V input / output, 600 V input / supply, 300 V output / supply
Surge voltage category	III		

## 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

## Classifications

ETIM 6.0	EC002653	ETIM 7.0	EC002653
ETIM 8.0	EC002653	ETIM 9.0	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	ECLASS 13.0	27-21-01-20

## Environmental Product Compliance

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

## Important note

Product information	<p>The analogue voltage converter ACT20P-VM-AO-S measures DC or AC voltages. The analogue input signal is linearly converted into an analogue output signal (current or voltage) and galvanically isolated.</p> <p>Features</p> <ul style="list-style-type: none"> <li>• Configuration and monitoring are performed via FDT/DTM-Software „WI-Manager“.</li> <li>• Signal and alarm triggering upon exceeding limit values or reverse polarity DC input voltage</li> <li>• Front LED indicates operation status</li> <li>• 3-way galvanic isolation between input, output and power supply.</li> </ul>
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## Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E469563

## ACT20P-VM-AO-P

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# Technical data

## Downloads

Approval/Certificate/Document of Conformity	<a href="#">Application notes – Declaration of Conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Software	<a href="#">WI-Manager, DTM-Library for online installation</a> <a href="#">Release notes for Weidmueller FDT-DTM Software version</a>
User Documentation	<a href="#">Instruction sheet</a> <a href="#">20210120 Security Advisory - WI-Manager affected by MundM Software fdtCONTAINER vulnerability</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

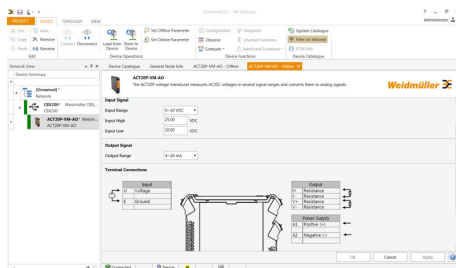
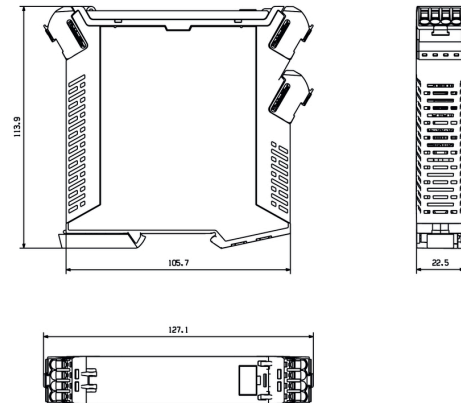
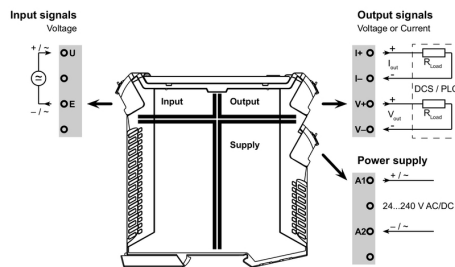
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## Drawings

### Dimensioned drawing, Similar to illustration



screenshot of configuration with FDT2 / DTM software