

ACT20P
ACT20P-VM-AO-S

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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Product image**ACT20P: The flexible solution**

- Precise and highly functional signal converters
- Simple configuration via display (Pro DCDC II), FDT/DTM software or DIP switch
- Release levers simplify handling
- More space in the control cabinet, from 12.5 mm wide for two channels

General ordering data

Type	ACT20P-VM-AO-S
Order No.	7760054306
Version	Signal converter/insulator, Input: AC/DC voltage, Output: 4 - 20 mA
GTIN (EAN)	6944169749087
Qty.	1 pc(s).

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Technical data
Dimensions and weights

Width	22.5 mm	Width (inches)	0.886 inch
Height	117 mm	Height (inches)	4.606 inch
Depth	114.3 mm	Depth (inches)	4.5 inch
Net weight	110 g		

Temperatures

Humidity	5...95 %, no condensation	Operating temperature, max.	65 °C
Operating temperature, min.	-25 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C	Operating temperature	-25 °C...65 °C
Storage temperature	-40 °C...85 °C		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Input

Number of inputs	1	Input signal	Yes, U _{DC} , U _{AC} Effective value (sinusoidal only) 40-60 Hz
Input voltage	0...30 V DC, 0...60 V DC, 0...150 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	Input resistance	1 MΩ±5%

Output

Number of outputs	1	Output voltage, note	0...10 V
Output current	0(4)...20 mA	load impedance voltage	≥ 10 kΩ
load impedance current	≤ 500 Ω		

General data

Accuracy	0.5 % FSR	Configuration	With FDT/DTM software
Galvanic isolation	3-way isolator, 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%)

Insulation coordination

EMC standards	IEC 61000-6 /-2, IEC 61000-6-4, IEC 61326-1	Galvanic isolation	3-way isolator, between input/output/supply
Impulse withstand voltage	4 kV (1.2 / 50 µs) input - output/ supply, 6 kV (input - output), 1.2/50 µs	Insulation voltage input or output/supply	2.2 kVAC, 1 min, 50 Hz
Pollution severity	2	Rated voltage	300 VAC (supply-output), 500 VAC (supply-input; input-output)
Surge voltage category	III		

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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	1.5 mm ²
Clamping range, min.	0.5 mm ²	Clamping range, max.	2.5 mm ²
Wire connection cross section AWG, min.	AWG 30	Wire connection cross section AWG, max.	AWG 14

Classifications

ETIM 6.0	EC002653	eClass 6.2	27-21-09-01
eClass 9.0	27-21-01-20	eClass 9.1	27-21-01-20

Product information

Product information	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. Features • Configuration and monitoring are performed via FDT/DTM-Software „WI-Manager“. • Signal and alarm triggering upon exceeding limit values or reverse polarity DC input voltage • Front LED indicates operation status • 3-way galvanic isolation between input, output and power supply.
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Approvals

Approvals



ROHS

Conform

Downloads

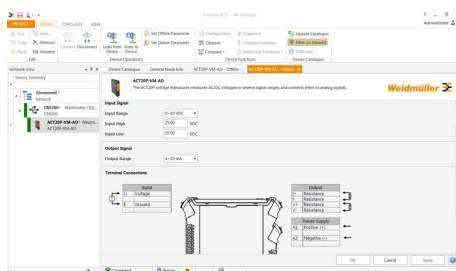
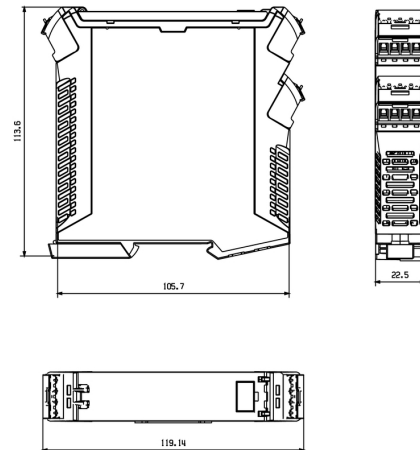
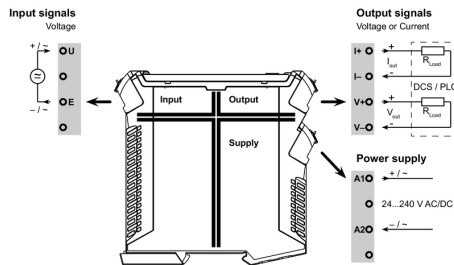
Approval/Certificate/Document of Conformity	Declaration of Conformity
Engineering Data	STEP
Software	WI-Manager, DTM-Library for online installation V.1.2.0
User Documentation	Instruction sheet

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Drawings

Dimensioned drawing



screenshot of configuration with FDT2 / DTM software