

ACT20P-VM-AO-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/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.	7760054306
Type	ACT20P-VM-AO-S
GTIN (EAN)	6944169749087
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	110 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	1 MΩ±5%	Input signal	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, configurable	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

General data

Accuracy	0.5 % FSR	Configuration	With FDT/DTM software, Requires configuration adapter 8978580000 CBX200 USB
Galvanic isolation	3-way isolator, between input/output/supply	Power consumption	≤ 100 mA @ 24 VDC, ≤ 120mA @ 24V AC
Protection degree	IP20	Rail	TS 35
Step response time	<300 ms	Temperature coefficient	≤ 200 ppm/K
Voltage supply	24...240 VUC (±10%)		

Insulation coordination

EMC standards	EN 61326-1, EN 61000-6-2, EN 61000-6-4	Galvanic isolation	3-way isolator, 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		

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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 26	Wire connection cross section AWG, max.	AWG 12

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
ECLASS 14.0	27-21-01-20		

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7a, 7cl
REACH SVHC	Lead 7439-92-1
SCIP	2f6dd957-421a-46db-a0c2-cf1609156924

Important note

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

Downloads

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

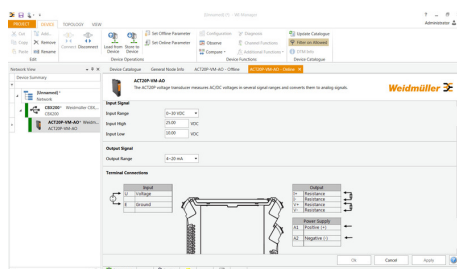
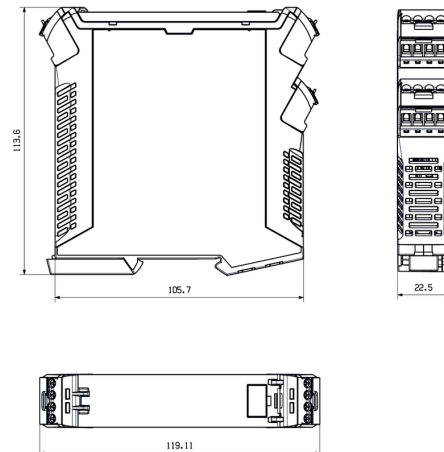
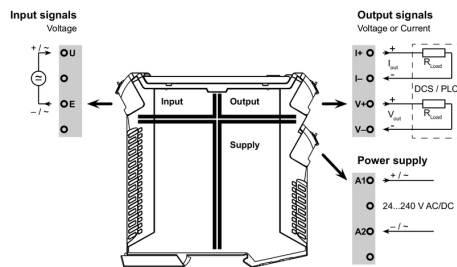
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Drawings

Dimensioned drawing



screenshot of configuration with FDT2 / DTM software