

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

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 1429-0

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www.weidmueller.com

**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
GTIN (EAN)	6944 169749087
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Length	114 mm	Length (inches)	4.488 inch
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	-25 °C...65 °C
Storage temperature	-40 °C...85 °C		

Input

Number of inputs	1	Input voltage	U _{N1} : 0...300 V AC, U _{N2} : 0...125 V AC, U _{N2} : 0...60 VDC, U _{N3} : 0...150 VDC, U _{N3} : 0...300 V DC, U _{N4} : 0...30 V DC, U _{N4} : 0...300 VDC, U _{N5} : 0...440 VDC, U _{N7} : 0...60 VAC, U _{N8} : 0...144 VAC, U _{N9} : 0...300 VAC
Input resistance	1 MΩ±5%	Input frequency	40...60 Hz, DC

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	Mounting rail	TS 35
Power consumption	≤ 100 mA @ 24 VDC, ≤ 120mA @ 24V AC	Step response time	< 300 ms
Supply voltage	24...240 VUC (±10%)	Temperature coefficient	≤ 200 ppm/K

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)
Standards	EN 50178	Surge voltage category	III

Data sheet

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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, rated connection, min.	0.5 mm ²	Clamping range, rated connection, 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 9.1	27-21-01-20
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Product information

Descriptive text accessories	CBX 200
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Approvals

Approvals



Downloads

Approval/Certificate/Document of Conformity	Declaration of Conformity
Engineering Data	EPLAN
Engineering Data	STEP
User Documentation	Instruction sheet

Data sheet

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Drawings

