

**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.	<a href="#">7760054306</a>
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 <sub>N1</sub> : 0...300 V AC, U <sub>N2</sub> : 0...125 V AC, U <sub>N2</sub> : 0...60 VDC, U <sub>N3</sub> : 0...150 VDC, U <sub>N3</sub> : 0...300 V DC, U <sub>N4</sub> : 0...30 V DC, U <sub>N4</sub> : 0...300 VDC, U <sub>N5</sub> : 0...440 VDC, U <sub>N7</sub> : 0...60 VAC, U <sub>N8</sub> : 0...144 VAC, U <sub>N9</sub> : 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 <sup>2</sup>
Clamping range, rated connection, min.	0.5 mm <sup>2</sup>	Clamping range, rated connection, max.	2.5 mm <sup>2</sup>
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	<a href="#">Declaration of Conformity</a>
Engineering Data	<a href="#">EPLAN</a>
Engineering Data	<a href="#">STEP</a>
User Documentation	<a href="#">Instruction sheet</a>

**Data sheet**

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**Drawings**

