

ACT20P

ACT20P-CML-10-AO-RC-S

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 16

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Germany

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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-CML-10-AO-RC-S
Order No.	2044850000
Version	Current-measuring transducer, Limit value monitoring, Signal converter/isolator, Current monitoring, Analogue output, Screw connection, Input measurement range: configurable, 0... 1/5/10 A AC (RMS) or DC
GTIN (EAN)	4050118409680
Qty.	1 pc(s).

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Technical data
Dimensions and weights

Width	17.5 mm	Width (inches)	0.689 inch
Height	119.2 mm	Height (inches)	4.693 inch
Depth	113.6 mm	Depth (inches)	4.472 inch
Net weight	141 g		

Temperatures

Humidity	5...95 %, no condensation	Operating temperature	
Ambient temperature	-25 °C...+70 °C	Storage temperature	-40 °C...85 °C

Probability of failure

MTTF	130 Years
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Input

Number of inputs	1	Input signal	Power cable can be connected to the terminals
Input measurement range	configurable, 0...1/5/10 A AC (RMS) or DC	Input frequency	AC: 15...400 Hz (true root mean square), AC: 50 Hz (arithmetic average)

General data

Accuracy	$\leq \pm 0.3\%$ @ 1 A / 5 A, $\leq \pm 0.6\%$ @ 10 A	Configuration	DIP switch and potentiometer
Galvanic isolation	4-way isolator; between input/output/supply/relay	Mounting rail	TS 35
Power consumption, max.	2.2 W	Step response time	≤ 300 ms (RMS), ≤ 60 ms (AA)
Supply voltage	24 V DC $\pm 30\%$	Temperature coefficient	$\leq \pm 100$ ppm/K @ -25...+55 °C, $\leq \pm 200$ ppm/K @ +55...+70 °C

Insulation coordination

EMC standards	IEC 61326-1, IEC 61010-2-201	Galvanic isolation	4-way isolator; between input/output/supply/relay
Impulse withstand voltage	6 kV (1.2/50 μ s)	Pollution severity	2
Rated voltage	300 V AC _{rms}	Standards	IEC 61010-1:2010, 3rd Edition, IEC 61010-2-201:2013, 1st Edition
Surge voltage category	III	Test voltage	4 kV

Output (analogue)

Load resistance current	≤ 600 Ω	Load resistance voltage	≥ 10 k Ω
Output current	adjustable, 0...20 mA, 4...20 mA, -20...+20 mA	Output voltage	adjustable, 0...10 V, 2...10 V, 0...5 V, 1...5 V, -5...+5 V, -10...+10 V
Type (analogue output)	Voltage and current output (configurable)		

Creation date October 26, 2017 11:07:19 AM CEST

Catalogue status 25.10.2017 / We reserve the right to make technical changes.

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Technical data
Output (digital)

Alarm function	Surge current, Under-current, Alarm delay: 0...10 s	Number of digital outputs	1
Type	Relay, 1 CO contact, normal / inverse adjustment	Max. switching voltage, DC	24 V
Max. switching voltage, AC	250 V	Rated switching current	2 A

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	EC002475	eClass 6.2	27-21-09-02
eClass 9.1	27-21-01-23		

Approvals

Approvals



ROHS Conform

Downloads

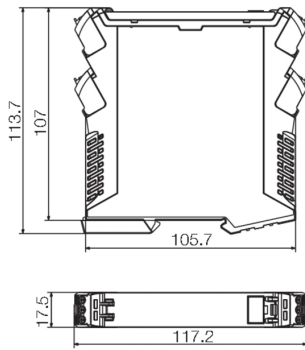
Approval/Certificate/Document of Conformity	Declaration of Conformity
Software	DIP switch configuration tool
User Documentation	Instruction sheet

Data sheet

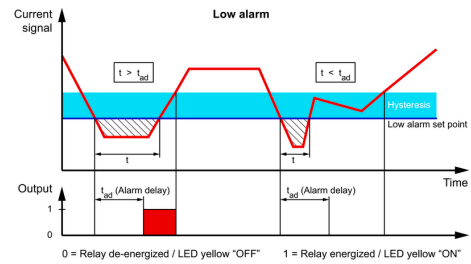
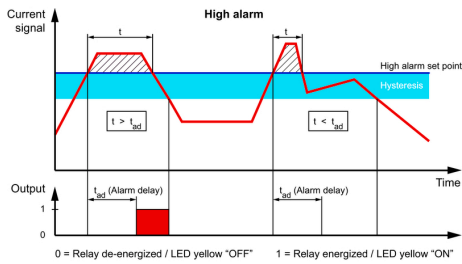
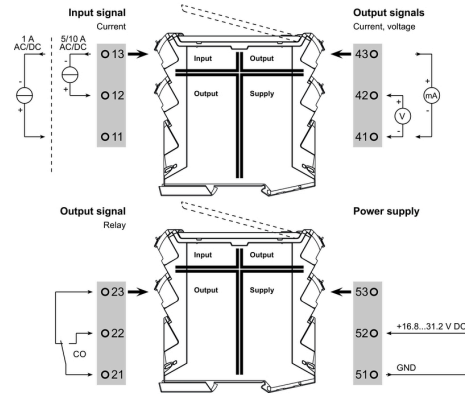
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Drawings



Connection diagram



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