

ACT20P-CMT-200-AO-RC-S**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Similar to illustration****ACT20P: The flexible solution**

- Precise and highly functional signal converters
- Release levers simplify handling

General ordering data

Version	Current-measuring transducer, Limit value monitoring, Analogue output, Relay output
Order No.	2496060000
Type	ACT20P-CMT-200-AO-RC-S
GTIN (EAN)	4050118505993
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Depth	113.6 mm	Depth (inches)	4.472 inch
Height	119.2 mm	Height (inches)	4.693 inch
Net weight	154 g	Weight	160 g
Width	22.5 mm	Width (inches)	0.886 inch

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-25 °C...60 °C
Humidity	5...95 %, no condensation		

Probability of failure

MTTF	158 Years
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Input

Input frequency		Input measurement range	configurable, 0... 133/166/200 A dc, Peak current: $2 \times I_{\text{Input}}$ (1 s)
	DC		
Number of inputs	1		

Output (digital)

Alarm function	Surge current, Under-current, Alarm limit setting: 2 - 105 %, Alarm delay: 0...10 s, Hysteresis 5% / 10%	Max. switching voltage, AC	250 V
Max. switching voltage, DC	24 V	Number of digital outputs	1
Rated switching current	6 A	Type	Relay, 1 CO contact, normal / inverse adjustment

Output (analogue)

Load resistance current	$\leq 600 \Omega$	Load resistance voltage	$\geq 10 \text{ k}\Omega$
Number of analogue outputs	1	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)

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Technical data

General data

Accuracy	< 1 % @ 0...70 A DC, < 2 % @ 70...120 A DC (< 5 s, centered cable position), typ. < 3 % / max. 5 % @ 70...120 A DC (< 1 min), typ. 5 % @ 120...200 A DC (< 5 s)	Configuration	DIP switch and potentiometer, for thresholds (overcurrent / undercurrent), delay and hysteresis
Galvanic isolation	4-way isolator, between input / output / supply / relay	Power consumption, max.	2.2 W
Rail	TS 35	Step response time	≤ 60 ms (AA)
Temperature coefficient	0.02 % / K @ 0...70 A DC, 0.4 % / K @ 70...120 A DC	Type of connection	Screw connection
Voltage supply	16.8 V...31.2 V		

Insulation coordination

EMC standards	IEC 61326-1:2012	Galvanic isolation	4-way isolator, between input / output / supply / relay
Impulse withstand voltage	6.4 kV (1.2/50 µs)	Pollution severity	2
Rated voltage	300 V AC _{rms}	Surge voltage category	III
Test voltage	4 kV		

Connection data

Type of connection	Screw connection	Tightening torque, min.	0.5 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
ECLASS 9.0	27-21-01-20	ECLASS 9.1	27-21-01-90
ECLASS 10.0	27-21-01-20	ECLASS 11.0	27-21-01-20

Approvals

Approvals



ROHS

Conform

Downloads

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

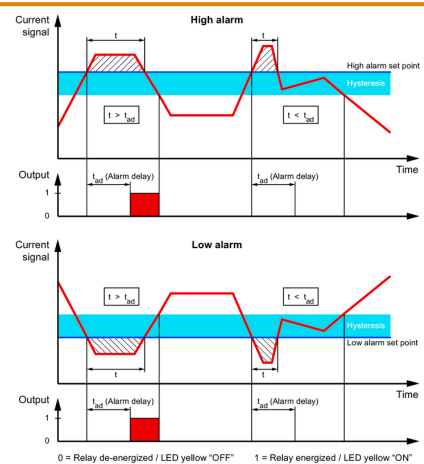
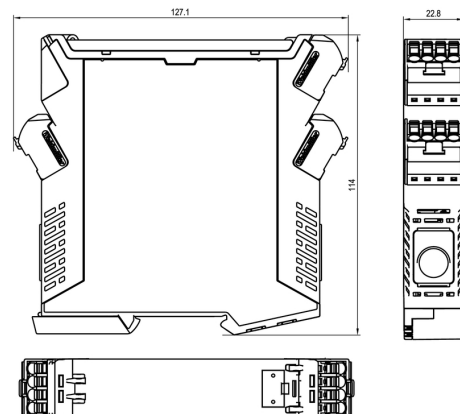
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Drawings

Dimensioned drawing



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