

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

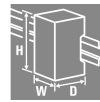
Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

customer-specific product
– order only on request

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, Input : 0...40/50/60 A, Analogue output, Relay output, Current-carrying cable in feed-through hole
Order No.	2496060000
Type	ACT20P-CMT-200-AO-RC-S
GTIN (EAN)	4050118505993
Qty.	1 items

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Technical data

Approvals

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ROHS

Conform

Dimensions and weights

Depth	113.6 mm	Depth (inches)	4.4724 inch
Height	119.2 mm	Height (inches)	4.6929 inch
Width	22.5 mm	Width (inches)	0.8858 inch
Net weight	154 g		

Temperatures

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

Probability of failure

MTTF	158 a
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Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c, 7a, 7cl
REACH SVHC	Lead 7439-92-1
SCIP	2f6dd957-421a-46db-a0c2-cf1609156924

Input

Number inputs	1	Input frequency	DC
Input measurement range	configurable, 0... 133/166/200 A, max. peak current 2 × I _{Input} (1 s)	Input signal	Current-carrying cable in feed-through hole
Overload behaviour	Max. peak current: 10 × I _{Input} for 1s		

Output

Load impedance current	≤ 600 Ω	Type	active, connected control must be passive
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Output (digital)

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

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Output (analogue)

Transmit function	direct or inverted	Output voltage	Adjustable, 0...10 V, 2...10 V, 0...5 V, 1...5 V, -5...+5 V, -10...+10 V
Load resistance voltage	$\geq 10 \text{ k}\Omega$	Number analogue outputs	1
Load resistance current	$\leq 600 \Omega$	Output current	Adjustable, 0...20 mA, 4...20 mA, -20...+20 mA

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)	Protection degree	IP20
Supply voltage	16,8 V...31,2 V	Step response time	$\leq 60 \text{ ms (AA)}$
Mounting rail	TS 35	Temperature coefficient	0.02 % / K @ 0...70 A DC, 0.4 %/K @ 70...120 A DC
Configuration	DIP switch and potentiometer, for thresholds (overcurrent / undercurrent), delay and hysteresis	Power consumption, max.	2.2 W
Power consumption, typ.	0.9 W		

Insulation coordination

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

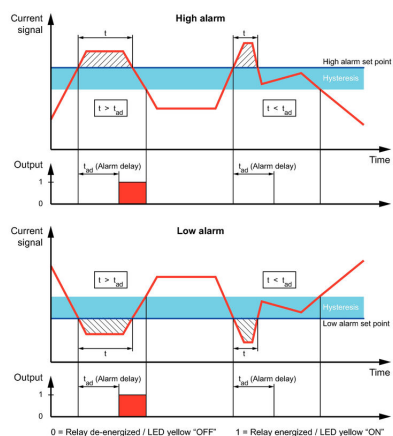
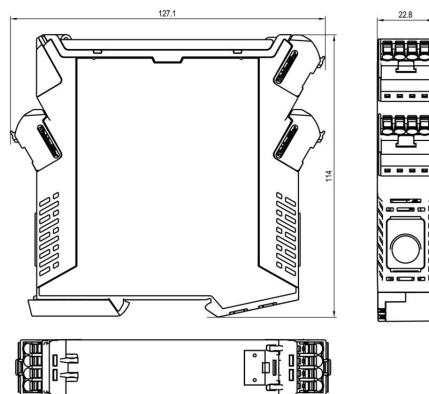
Connection data

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 8.0	EC002475	ETIM 9.0	EC002475
ETIM 10.0	EC002475	ECLASS 14.0	27-21-01-23
ECLASS 15.0	27-21-01-23		

Dimensioned drawing



Similar to illustration

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Drawings

