

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

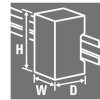
Klingenbergstraße 26

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

ACT20P-CMT-200-AO-RC-S

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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

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	$<1 \% @ 0...70 \text{ A DC}$, $<2 \% @ 70...120 \text{ A DC}$ ($<5 \text{ s}$, centered cable position), typ. $<3 \% / \text{max. } 5\% @ 70...120 \text{ A DC}$ ($<1 \text{ min}$), typ. $5 \% @ 120...200 \text{ A DC}$ ($<5 \text{ s}$)	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	$0.02 \% / \text{K} @ 0...70 \text{ A DC}$, $0.4 \% / \text{K} @ 70...120 \text{ A DC}$
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		

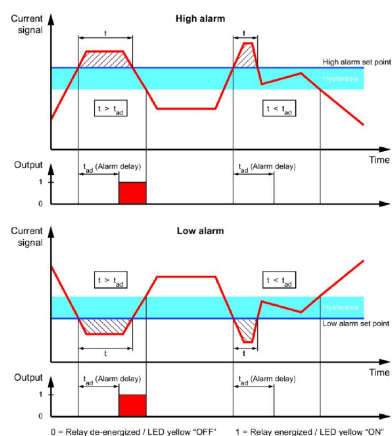
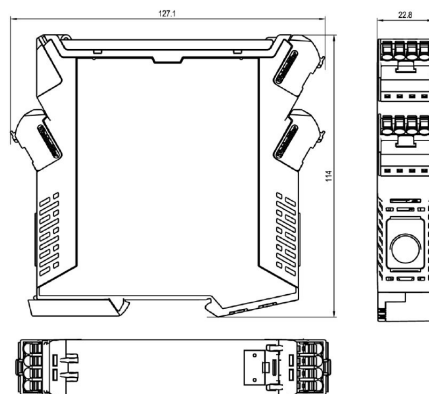
Connection data

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



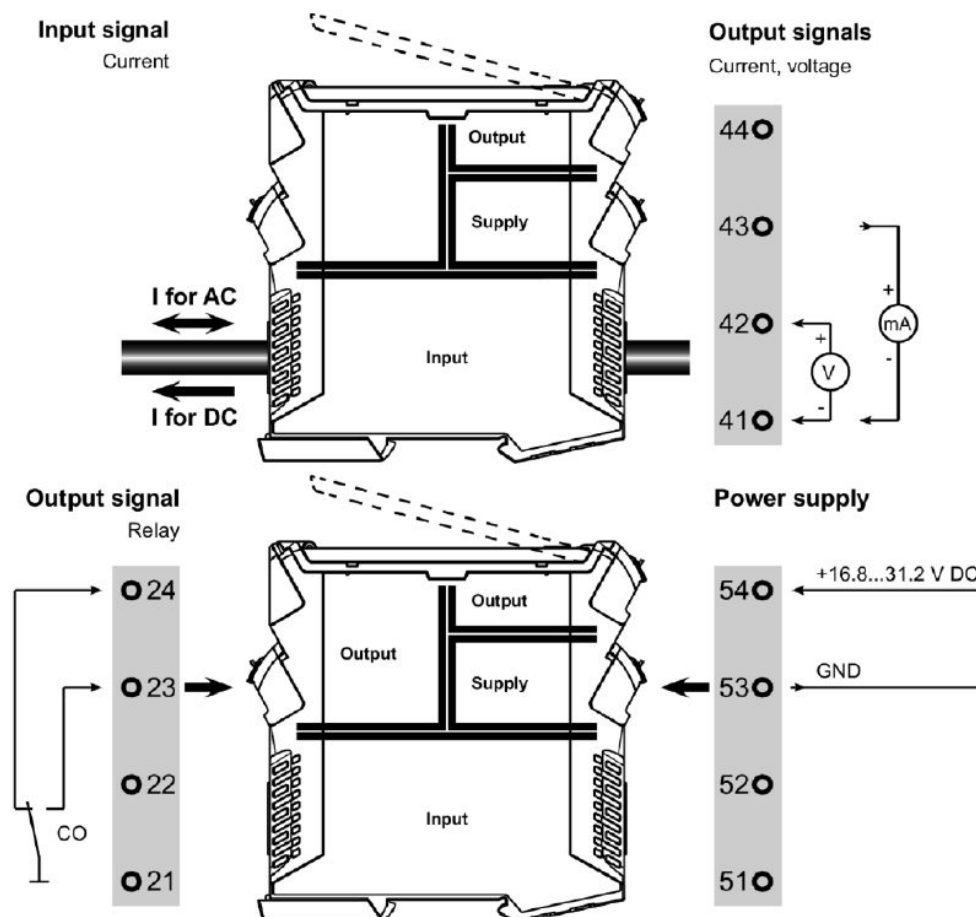
Similar to illustration

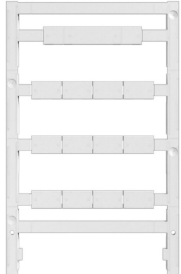
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Drawings

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ACT20P-CMT-200-AO-RC-S**Weidmüller Interface GmbH & Co. KG**Klingenbergstraße 26
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Germanywww.weidmueller.com**Accessories****Blank**

ESG is the tried-and-tested marker in MultiCard format for use on many well-known electrical devices. The result is high-quality device marking with a high-contrast appearance.

Various types are available for devices from manufacturers like Siemens, ABB, Beckhoff etc.

Advantages at a glance:

- Tags for universal usage, self-adhesive or clip-on tags, depending on type
- For aligned equipment, e.g. circuit breakers, we supply ESG markers for clipping onto tag rails
- Individual laser-quality printing according to specifications

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	ESG 8/13.5/43.3 SAI AU	Version
Order No.	1912130000	ESG, Device markers x 13.5 mm, PA 66, Colour: Transparent, pluggable
GTIN (EAN)	4032248541164	
Qty.	5 ST	
Type	ESG 6.6/20 BHZ 5.00/04	Version
Order No.	1082540000	ESG, Device markers x 20 mm, PA 66, Colour: white, pluggable
GTIN (EAN)	4032248845439	
Qty.	200 ST	