

ACT20P-CMT-200-AO-RC-S

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Similar to illustration



customer-specific product
 – order only on request



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 pc(s).

Creation date July 11, 2025 12:15:52 AM CEST

Catalogue status 04.07.2025 / We reserve the right to make technical changes.

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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
Width	22.5 mm	Width (inches)	0.886 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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Input

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

Output

Load impedance current	$\leq 600 \Omega$	Type	active, connected control must be passive
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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	$\geq 10 k\Omega$
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	Transmit function	direct or inverted

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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
Power consumption, max.	2.2 W	Power consumption, typ.	0.9 W
Protection degree	IP20	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
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	EC002475	ETIM 7.0	EC002475
ETIM 8.0	EC002475	ETIM 9.0	EC002475
ETIM 10.0	EC002475	ECLASS 9.0	27-21-01-23
ECLASS 9.1	27-21-01-23	ECLASS 10.0	27-21-01-23
ECLASS 11.0	27-21-01-23	ECLASS 12.0	27-21-01-23
ECLASS 13.0	27-21-01-23	ECLASS 14.0	27-21-01-23
ECLASS 15.0	27-21-01-23		

Approvals

Approvals



Approvals MAMID https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/

ROHS Conform

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

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Technical data**Downloads**

Approval/Certificate/Document of Conformity	Declaration of Conformity
Engineering Data	CAD data – STEP
User Documentation	Instruction sheet
Catalogues	Catalogues in PDF-format

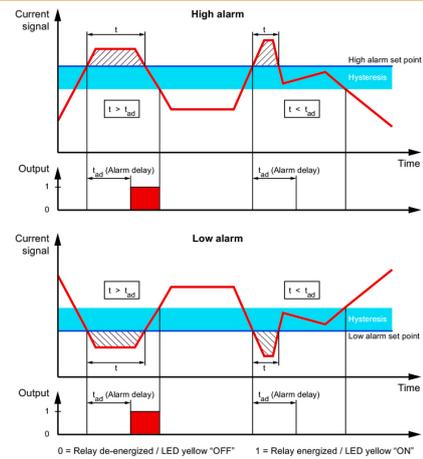
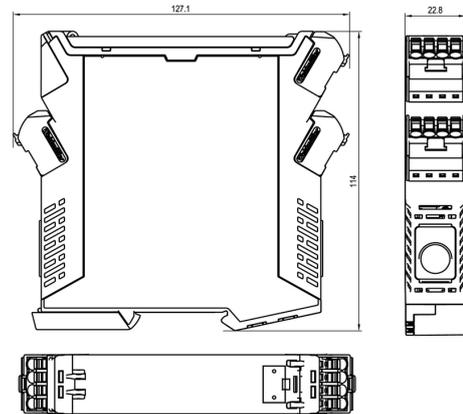
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Drawings

Dimensioned drawing



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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,
GTIN (EAN)	4032248541164	pluggable
Qty.	5 pc(s).	

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General ordering data

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 pc(s).	

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