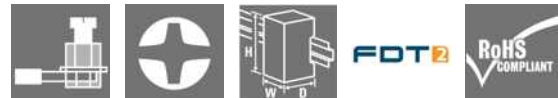


**ACT20C-CML-10-AO-RC-S**

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

www.weidmueller.com

**Product image**

The ACT20C series was especially developed for applications with continuous processes. It enables the continuous monitoring of diagnostic, device and process information ("condition monitoring").

Several ACT20C components form a station which consists of an ACT20C Ethernet gateway, communicative ACT20C signal converters and an ACT20C bus termination terminal.

**General ordering data**

Version	Current-measuring transducer, Input : 0...5/10 A, Output : 0(4)-20 mA, 0-10 V, Relay
Order No.	<a href="#">2044840000</a>
Type	ACT20C-CML-10-AO-RC-S
GTIN (EAN)	4050118409826
Qty.	1 pc(s).

Creation date April 25, 2023 4:45:09 PM CEST

Catalogue status 14.04.2023 / 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	117.2 mm	Height (inches)	4.614 inch
Width	17.5 mm	Width (inches)	0.689 inch
Net weight	134 g		

**Temperatures**

Storage temperature	-40 °C...85 °C	Humidity	5...95 %, no condensation
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**Probability of failure**

SIL in compliance with IEC 61508	None	MTTF	130 Years
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**Communication**

Configuration	for thresholds (overcurrent/undercurrent), delay and hysteresis, via gateway (ACT20C-GTW-100-MTCP-S), With FDT/DTM software
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**Input**

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

**Output**

Load impedance current	≤ 600 Ω
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**Output (digital)**

Max. switching voltage, AC	250 V	Max. switching voltage, DC	24 V
Rated switching current	2 A	Type	Relay, 1 CO contact, Process alarms (4x) with hysteresis, with alarm delay (configurable) 0...180 s

**Output (analogue)**

Load resistance current	≤ 600 Ω	Load resistance voltage	≥ 10 kΩ
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)		

**alarm output**

Switching current	5 A
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## Technical data

### General data

Accuracy		Configuration	for thresholds (overcurrent/ undercurrent), delay and hysteresis, via gateway (ACT20C-GTW-100-MTCP-S), With FDT/DTM software
	$\leq \pm 0.3\% @ 1\text{ A} / 5\text{ A}, \leq \pm 0.6\% @ 10\text{ A}$		
Galvanic isolation	4-way isolator, between input / output / supply / relay	Power consumption, max.	2.2 W
Rail	TS 35	Step response time	$\leq 300\text{ ms (RMS)}, \leq 60\text{ ms (AA)}$
Temperature coefficient	$\leq \pm 100\text{ ppm/K @ } -25\dots +55\text{ }^\circ\text{C}, \leq \pm 200\text{ ppm/K @ } +55\dots +70\text{ }^\circ\text{C}$	Voltage supply	24 V DC $\pm 30\%$

### 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 $\mu\text{s}$ )	Pollution severity	2
Rated voltage	300 V AC <sub>rms</sub>	Surge voltage category	III
Test voltage	4 kV		

### Connection data

Type of connection	Screw connection	Tightening torque, min.	0.5 Nm
Tightening torque, max.	3.5 Lb In	Clamping range, rated connection	1.5 mm <sup>2</sup>
Clamping range, min.	0.5 mm <sup>2</sup>	Clamping range, max.	2.5 mm <sup>2</sup>
Wire connection cross section AWG, min.	AWG 30	Wire connection cross section AWG, max.	AWG 14
Wire cross-section, solid, min.	0.5 mm <sup>2</sup>	Wire cross-section, solid, max.	2.5 mm <sup>2</sup>

### Classifications

ETIM 6.0	EC002475	ETIM 7.0	EC002475
ETIM 8.0	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

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	2f6dd957-421a-46db-a0c2-cf1609156924

### Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E141197

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**Technical data****Downloads**

Approval/Certificate/Document of Conformity	<a href="#">Certification DNV GL</a> <a href="#">Certification UL</a> <a href="#">Declaration of Conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Software	<a href="#">Runtime Software – WI-Manager, DTM-Library for online installation</a> <a href="#">Release notes for Weidmueller FDT-DTM Software version</a>
User Documentation	<a href="#">Instruction sheet</a> <a href="#">Manual</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

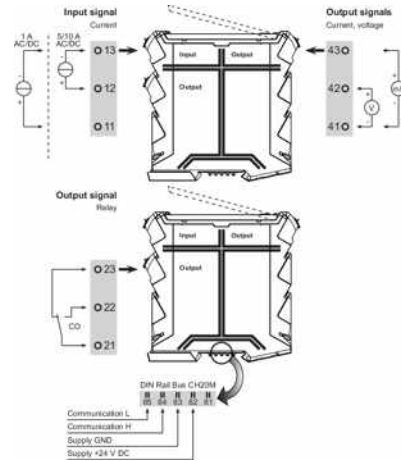
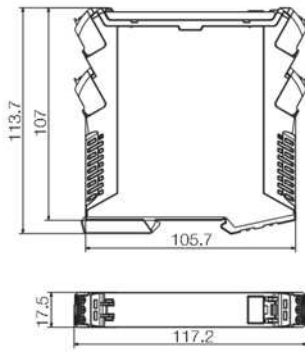
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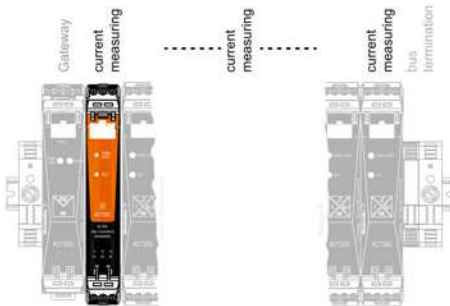
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**Drawings**

**Dimensioned drawing**



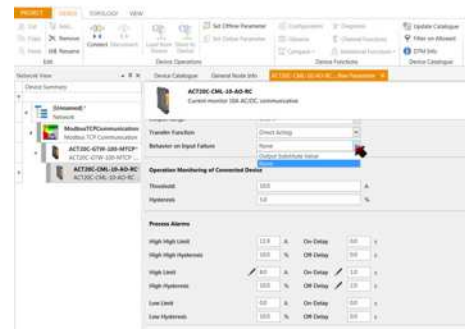
ACT20C-CML-10-AO-RC-S is part of the ACT20C- Station



**Configuration**

User address	DIP switch S1					
	1	2	3	4	5	6
2		■				
3	■		■			
4				■		
5		■				
6			■	■		
7	■	■	■			
8					■	
...						
16						■
...						
32						■
33	■					■

■ = ON



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