

ACT20P-RTI-2AO-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	Temperature converter, Signal duplicator/isolator, Input : Temperature, PT100, Output : 2 x 0(4) - 20 mA
Order No.	7760054236
Type	ACT20P-RTI-2AO-S
GTIN (EAN)	6944 169696442
Qty.	1 items

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Technical data

Approvals

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ROHS Conform

Dimensions and weights

Depth	114 mm	Depth (inches)	4.4882 inch
Height	117 mm	Height (inches)	4.6063 inch
Width	12.5 mm	Width (inches)	0.4921 inch
Net weight	115 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-20 °C...60 °C
Humidity	5...95 %, no condensation		

Environmental Product Compliance

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

Input

Sensor	2-/3-wire, PT100, Cu50, Cu100	Number inputs	1
Line resistance in measuring circuit	≤ 50 Ω	Temperature input range	Configurable, PT100: -200...+850 °C, min. measurement range 10°C (RTD)

Output

Number of outputs	2	Load impedance current	per channel, ≤ 300 Ω
Wire break detection	Yes, Output value: 22 mA	Type	active, connected control must be passive
Output current	Adjustable, 2 x 0 (4)...20 mA		

General data

Accuracy	0.2 °C / 0.1% of end value	Protection degree	IP20
Supply voltage	24 V DC ± 20 %	Step response time	≤ 1s
Current consumption	<65 mA @ IOUT = 20 mA	Mounting rail	TS 35
Power consumption	ca. 1.5 W	Temperature coefficient	≤ 100 ppm/K
Configuration	With free software ACT20P TOOL PACK, Requires configuration adapter 8978580000 CBX200 USB, + 2907490000 ADAPTER CBX200 - MINI USB	Operating altitude	≤ 2000 m

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Insulation coordination

Impulse withstand voltage	4 kV (1.2/50 µs)	EMC standards	EN 61326-1
Test voltage	0.3 kV	Surge voltage category	III
Pollution severity	2	Galvanic isolation	between input / output / supply
Insulation voltage	2 kV inputs / outputs / power supply	Rated voltage	300 V

Connection data

Type of connection	Screw connection	Tightening torque, max.	0.6 Nm
Clamping range, rated connection	2.5 mm ²	Clamping range, min.	0.5 mm ²
Clamping range, max.	2.5 mm ²	Wire connection cross section AWG, min.	AWG 30
Wire connection cross section AWG, max.	AWG 14		

Classifications

ETIM 8.0	EC002919	ETIM 9.0	EC002919
ETIM 10.0	EC002919	ECLASS 14.0	27-21-01-29
ECLASS 15.0	27-21-01-29		

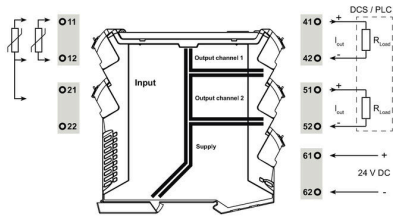
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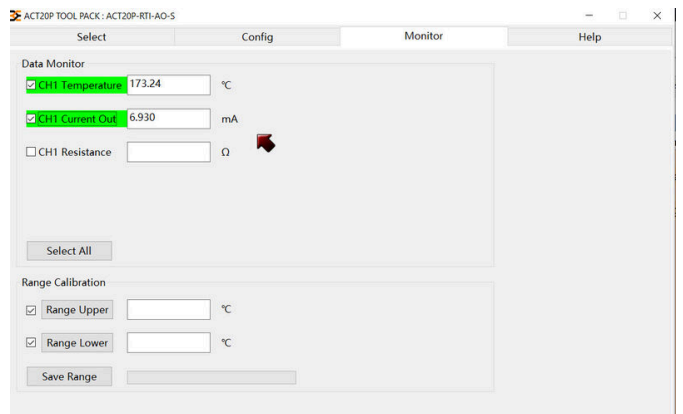
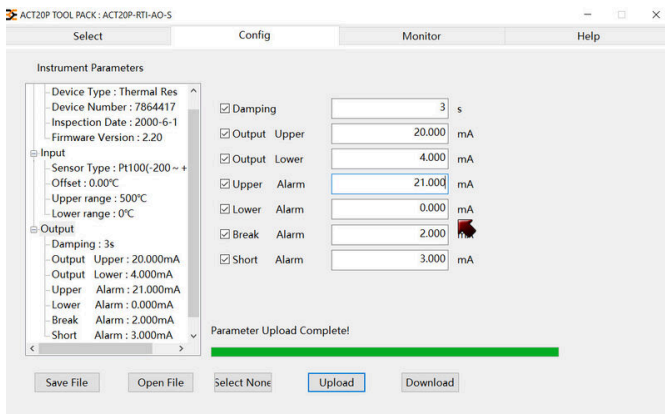
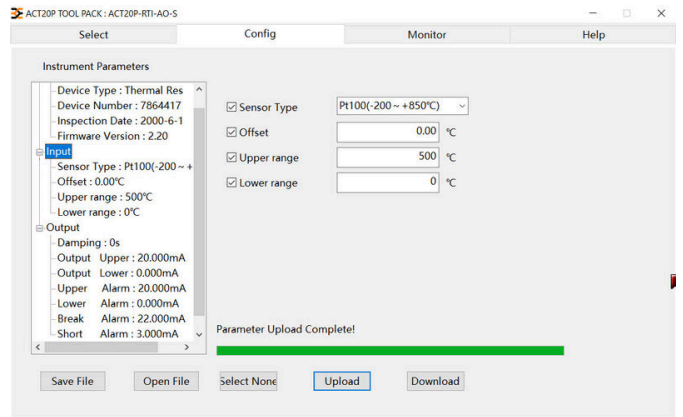
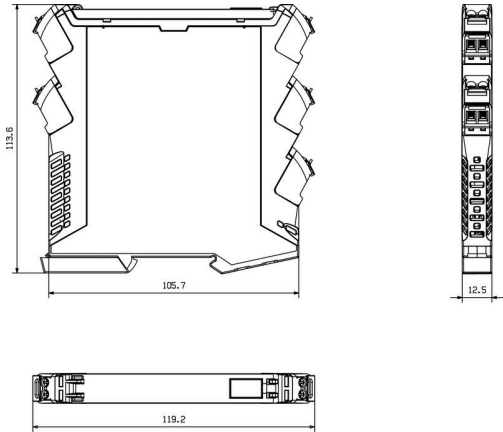
Drawings

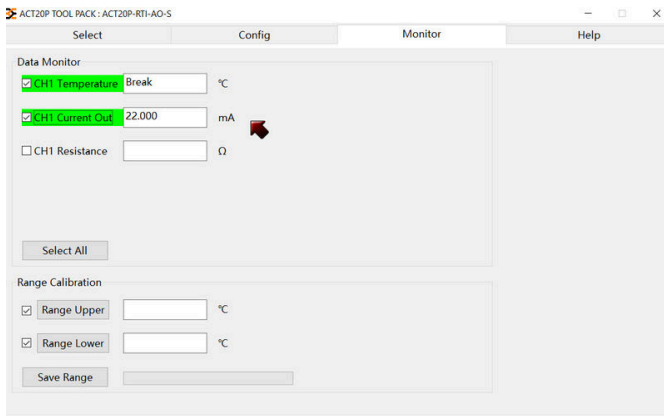
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Connection diagram



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 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		
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		

Configuration interfaces



General ordering data

Type	CBX200 USB	Version	
Order No.	8978580000		
GTIN (EAN)	4032248813759		
Qty.	1 ST		
Type	ADAPTER CBX200 - MINI U...	Version	
Order No.	2907490000		
GTIN (EAN)	4099986188617		
Qty.	1 ST		