

**ACT20P-TCI-2AO-S****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Similar to illustration****ACT20P: The flexible solution**

- Precise and highly functional signal converters
- Release levers simplify handling

**General ordering data**

Version	Signal duplicator/isolator, Input : Temperature, thermocouple, Output : 2 x 0(4) - 20 mA
Order No.	<a href="#">7760054237</a>
Type	ACT20P-TCI-2AO-S
GTIN (EAN)	6944 169696466
Qty.	1 pc(s).

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## Technical data

### Dimensions and weights

Depth	114 mm	Depth (inches)	4.488 inch
Height	117 mm	Height (inches)	4.606 inch
Width	12.5 mm	Width (inches)	0.492 inch
Net weight	115 g		

### Temperatures

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

### Input

Input measurement range	customerization	Number of inputs	1
Sensor		Temperature input range	Configurable, T: (-200...+400 °C), E: (-100...+1000 °C), J: (-100...+1200 °C), K: (-180...+1372 °C), N: (-180...+1300 °C), R: (-50...+1760 °C), S: (-50...+1760 °C), B: +100...+1820 °C, min. measurement range 50°C (TC)
	Thermocouple Type T,E,J,K,N,R,S,B		

### Output

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

### General data

Accuracy		Configuration	With free software ACT20P TOOL PACK, Requires configuration adapter 8978580000 CBX200 USB, + 2907490000 ADAPTER CBX200 - MINI USB
	0.5°C/0.1% of end value		
Current consumption	<65 mA @ I <sub>OUT</sub> = 20 mA	Galvanic isolation	between input / output / supply
Power consumption	ca. 1.5 W	Protection degree	IP20
Rail	TS 35	Step response time	≤1s
Temperature coefficient	≤ 100 ppm/K	Voltage supply	24 V DC ± 20 %

### Insulation coordination

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

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Type of connection	Screw connection	Tightening torque, max.	0.6 Nm
Clamping range, rated connection	2.5 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		

**Classifications**

ETIM 6.0	EC002919	ETIM 7.0	EC002919
ETIM 8.0	EC002919	ETIM 9.0	EC002919
ECLASS 9.0	27-21-01-29	ECLASS 9.1	27-21-01-29
ECLASS 10.0	27-21-01-29	ECLASS 11.0	27-21-01-29
ECLASS 12.0	27-21-01-29	ECLASS 13.0	27-21-01-29

**Environmental Product Compliance**

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

**Approvals**

Approvals



ROHS	Conform
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**Downloads**

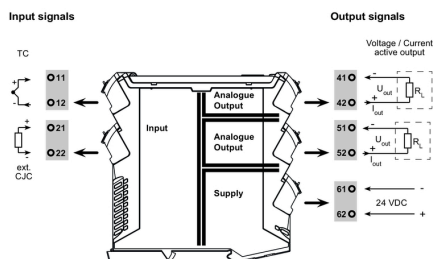
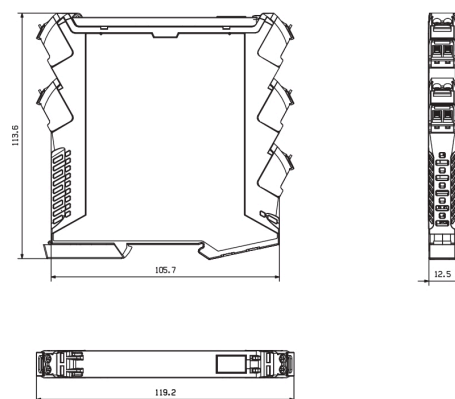
Approval/Certificate/Document of Conformity	<a href="#">Declaration of Conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Software	<a href="#">ACT20P TOOL PACK version 2.3</a>
User Documentation	<a href="#">instruction sheet</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

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**Drawings**
**Connection diagram**

**Dimensioned drawing**


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[www.weidmueller.com](http://www.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 6.6/20 BHZ 5.00/04	Version
Order No.	<a href="#">1082540000</a>	ESG, Device markers x 20 mm, PA 66, Colour: white
GTIN (EAN)	4032248845439	
Qty.	200 pc(s).	

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**General ordering data**

Type	ESG 8/13.5/43.3 SAI AU	Version
Order No.	<a href="#">1912130000</a>	ESG, Device markers x 13.5 mm, PA 66, Colour: Transparent
GTIN (EAN)	4032248541164	
Qty.	5 pc(s).	

**Configuration interfaces****General ordering data**

Type	CBX200 USB
Order No.	<a href="#">8978580000</a>
GTIN (EAN)	4032248813759
Qty.	1 pc(s).

Type	ADAPTER CBX200 - MINI U ...
Order No.	<a href="#">2907490000</a>
GTIN (EAN)	4099986188617
Qty.	1 pc(s).