

## ACT20P-TCI-AO-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, Input : Temperature, thermocouple, Output : 0(4)-20 mA
Order No.	<a href="#">7760054234</a>
Type	ACT20P-TCI-AO-S
GTIN (EAN)	6944 169696435
Qty.	1 items

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## Technical data

## Approvals

Approvals



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	110 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	Thermocouple Type T,E,J,K,N,R,S,B	Number inputs	1
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)		

## Output

Number of outputs	1	Load impedance current	≤ 550 Ω
Wire break detection	Yes, Output value: 22 mA	Type	active, connected control must be passive
Output current	0(4)...20 mA		

## General data

Accuracy	0.5°C / 0.1% of end value	Protection degree	IP20
Supply voltage	24 V DC ± 20 %	Step response time	≤ 1s
Current consumption	<50 mA @ IOU = 20 mA	Mounting rail	TS 35
Power consumption	max. 1.2 W	Temperature coefficient	≤ 100 ppm/K
Configuration	With free software ACT20P TOOL PACK, Requires configuration adapter 8978580000 CBX200 USB, +	Operating altitude	≤ 2000 m

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**Technical data**

2907490000 ADAPTER  
 CBX200 - MINI USB

**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 <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 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		

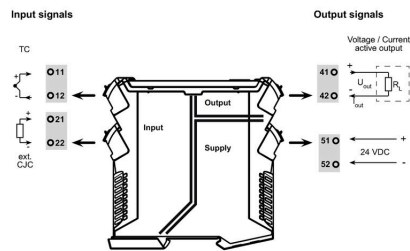
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**Drawings**

**Connection diagram**



**Dimensioned drawing**

