

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	Signal converter/insulator, Input : Temperature, thermocouple, Output : 0(4)-20 mA
Order No.	7760054234
Type	ACT20P-TCI-AO-S
GTIN (EAN)	6944 169696435
Qty.	1 Stück

ACT20P-TCI-AO-S

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Technische Daten

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	110 g		

Temperatures

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

Input

Number of inputs	1	Sensor	Thermocouple Type T,E,J,K,N,R,S,B
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

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

General data

Accuracy	0.5°C/0.1% of end value	Configuration	With free software ACT20P TOOL PACK, Requires configuration adapter 8978580000 CBX200 USB, + 2907490000 ADAPTER CBX200 - MINI USB
Current consumption	<50 mA @ I _{OUT} = 20 mA	Galvanic isolation	between input/output/supply
Power consumption	max. 1.2 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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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 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	Declaration of Conformity
Engineering Data	CAD data – STEP
Software	ACT20P TOOL PACK version 2.3
User Documentation	instruction sheet
Catalogues	Catalogues in PDF-format

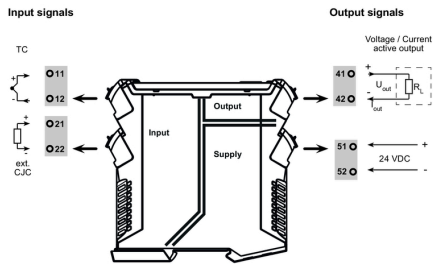
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Zeichnungen

Connection diagram



Dimensioned drawing

