

ACT20P-PRO-RTC-AO-DOS-S

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

www.weidmueller.com

Product not yet available,
preliminary product data.

Product image**ACT20P: The flexible solution**

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

General ordering data

Version	Temperature converter, Limit value monitoring, Input : Temperature, Resistance, Output : I/U universal, Limit value monitoring
Order No.	2489890000
Type	ACT20P-PRO-RTC-AO-DOS-S
GTIN (EAN)	4050118499926
Qty.	1 items

ACT20P-PRO-RTC-A0-DOS-S

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E337701

Dimensions and weights

Depth	113.7 mm	Depth (inches)	4.4764 inch
Height	119.2 mm	Height (inches)	4.6929 inch
Width	12.5 mm	Width (inches)	0.4921 inch
Net weight	999 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-25 °C...70 °C
Humidity at operating temperature	0...95 % (no condensation)	Humidity	5...95 %, no condensation

Probability of failure

SIL in compliance with IEC 61508	2	MTTF	20 a
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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	RTD: PT100, PT200, PT500, PT1000, Ni50, Ni100, Ni120, Ni1000, Cu10, Cu25, Cu50, Cu100, RTD (2-wire): KTY83/110, KTY83/120, KTY83/150, KTY83/121, KTY83/122, KTY83/210, KTY83/220, KTY83/221, KTY83/250, KTY82/110, KTY82/120, KTY82/150, KTY82/121, KTY82/122, KTY82/210, KTY82/220, KTY82/221, KTY82/250, KTY84/130, KTY16, KTY19, ST13, ST20, Thermocouples: B, E, J, K, L, N, R, S, T, U, L	Number inputs	1
Input resistance	0...15 kΩ	Potentiometer	10...150 kΩ, 500 Ω...120 kΩ
Input voltage	0...300 mV	Temperature input range	Adjustable from -200...+850 °C
Resistance	0...15 kΩ		

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Output

Load impedance current	≤ 600 Ω	Type	active (as current source) or passive (as current sink), connected control can be active / passive
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Display

Display range	-999...9999	Display value	Configuration data and process data (input/output) in operation
Type	Dot-matrix display with ticker text, green		

General data

Supply voltage	24...230 V DC ±20 %, 24...230 V AC ±10 % @ 48...62 Hz	Long-term drift	0.1 % / 10.000 h
Mounting rail	TS 35	Nominal power consumption	3 VA
Configuration	DIP switch and button	Operating altitude	≤ 2000 m

Connection data

Type of connection	Screw connection	Tightening torque, min.	0.4 Nm
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 26	Wire connection cross section AWG, max.	AWG 12

Part description

Product description	The universal, configurable resistance measuring transducer ACT20P-PRO-RTCI-AO-DOS converts 2- / 3- / 4-wire ohmic resistance and potentiometers into an active or passive standard current signal or an active voltage signal. For set point Limit Monitoring the device is equipped with an digital NPN Output. The universal power supply can be powered up from 24Vuc...230Vuc. The device can be configured via the display. Features • universal wide range supply • universal configurability, LED- Display by touch key • Active or passive signal output • Digital NPN transistor output • Operating status display via front-sided LED • Galvanic 4-way isolation between Input, analogue, digital output and supply		
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Classifications

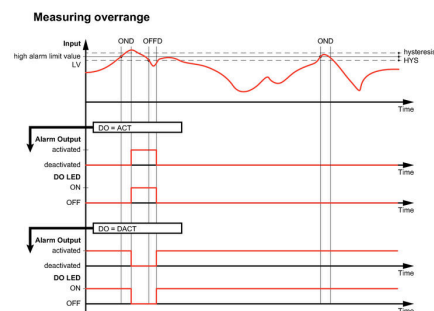
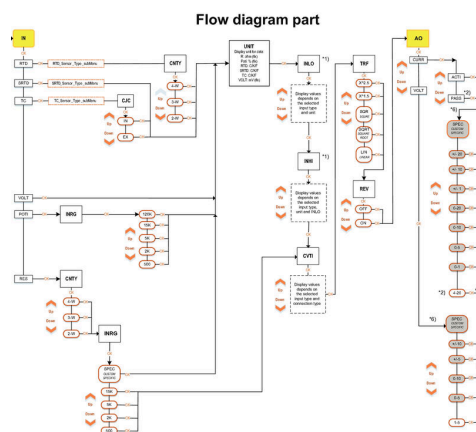
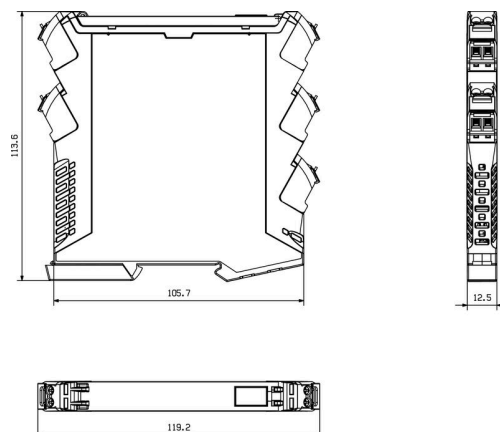
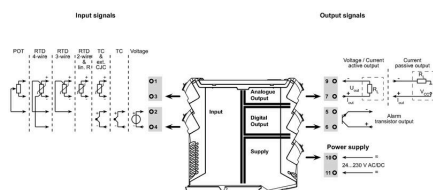
ETIM 8.0	EC002919	ETIM 9.0	EC002919
ETIM 10.0	EC002919	ECLASS 14.0	27-21-01-29
ECLASS 15.0	27-21-01-29		

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Drawings

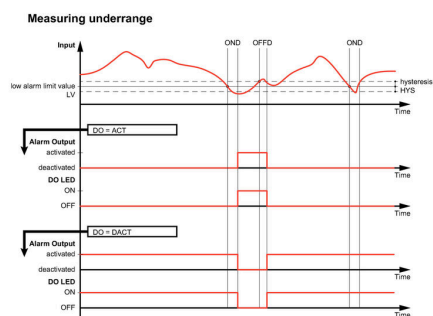


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Drawings



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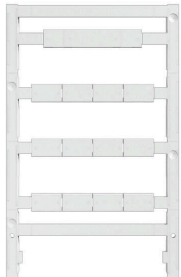
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Accessories

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 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	
Type	ESG 6.6/11 BHZ 5.00/02	Version
Order No.	1082490000	ESG, Device markers x 11 mm, PA 66, Colour: white, pluggable
GTIN (EAN)	4032248845330	
Qty.	200 ST	