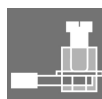


ACT20P-UI-2RCO-DC-S**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image****FDT2****General ordering data**

Version	Limit value monitoring, universal, Input: temperature, R, U, I, Relay output, 24 V DC power supply, 24 V (@ 4-20 mA loop)
Order No.	7940045760
Type	ACT20P-UI-2RCO-DC-S
GTIN (EAN)	4050118278507
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Depth	113.6 mm	Depth (inches)	4.472 inch
Height	119.2 mm	Height (inches)	4.693 inch
Width	22.5 mm	Width (inches)	0.886 inch
Net weight	201 g		

Temperatures

Storage temperature	-20 °C...70 °C	Operating temperature	-20 °C...70 °C
Humidity	10...90 %, no condensation		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Input

Cable-length compensation	$< \pm 0.002 \Omega$ per cable resistance Ω	Influence of the sensor cable resistance	5 Ω @ RTD- Kabel
Input current	configurable, ± 25 mA DC, ± 5 A DC	Input resistance, current	40 Ω
Input resistance, voltage	2 M Ω , > 10 M Ω	Input voltage	configurable, ± 150 mV DC, ± 600 mV DC, ± 30 V DC, ± 300 V DC
Number of inputs	1	Potentiometer	1.2...500 k Ω
Resistance	0...10 k Ω , 0...12 k Ω , 0...15 k Ω	Sensor	RTD (2,3-wire): Pt100, Pt200, Pt1000, Ni120, Cu10, Thermocouples: B, E, J, K, L, N, R, S, T, U
Sensor supply	0.1 mA / 0.05 mA (depending on measuring range) @ RTD cable	Supply voltage (input)	24 V (@ 4-20 mA loop)
Temperature input range	B: +100...+1820 °C, E: -270...+1000 °C, J: (-210...+1200 °C), K: -270...+1372 °C, L: +100...+900 °C, N: (-180...+1300 °C), R: -50...+1768 °C, S: -50...+1768 °C, T: -270...+400 °C, U: -200...+600 °C		

Output (digital)

Alarm function	configurable, Top and bottom limit values, window range, Alarm delay: 0...99 s, Hysteresis adjustable, auto / manual reset	Max. switching voltage, AC	240 V
Max. switching voltage, DC	110 V	Number of digital outputs	2
Rated switching current	200mA @ 110Vdc, 6A @ 24Vdc / 240Vac	Type	2 CO contacts, normal / inverse adjustment, Switching frequency 20 Hz

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Technical data**General data**

Accuracy	< 0.1 % of measuring range	Cold-junction compensation error	±2.0°C @ -20° C - 70°C
Configuration	With FDT/DTM software, or via 7-segment display, push-buttons and rotary encoder on the device itself	Galvanic isolation	4-way isolator, Input to supply / Alarm 1 / Alarm 2
Power consumption	≤ 3.5 W	Rail	TS 35
Repeat accuracy	± 0.05 % of measuring range final value	Step response time	450 ms
Type of connection	Screw connection	Voltage supply	9...60 V DC

Insulation coordination

EMC standards	EN 61326-1	Galvanic isolation	4-way isolator, Input to supply / Alarm 1 / Alarm 2
Impulse withstand voltage	4 kV (1.2/50 µs)	Insulation voltage	4 kV (input / output)
Pollution severity	2	Rated voltage	300 V _{eff}
Surge voltage category	III	Test voltage	300 V

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

Classifications

ETIM 6.0	EC002654	ETIM 7.0	EC002654
ETIM 8.0	EC002654	ECLASS 9.0	27-21-01-22
ECLASS 9.1	27-21-01-22	ECLASS 10.0	27-21-01-22
ECLASS 11.0	27-21-01-22		

Important note

Product information	The devices of the ACT20P-UI-2RCO-XX-x family record current, voltage, potentiometer and temperature sensor signals (mA, A, mV, V, potentiometer, RTD and TC). They have two independent relay outputs which emit an alarm when levels exceed or fall below pre-set limits. Properties • Configuration and diagnosis with the FDT/DTM software "WI-Manager". • Manual configuration on the device is performed via the LED display by means of operating buttons and rotary encoders. • The dual-channel trip amplifier enables various alarm functions: window alarm, alarm delay, wire break detection, hysteresis and upper / lower limit alarm. • The active or passive signal inputs for RTD, TC, potentiometer, voltage and current are fully galvanically isolated. • Remote diagnosis: reporting of errors (e.g. cable breaks) via status relay. • Operational status and relay status indicated by front panel LEDs. • Galvanic 4-way isolation between input, output and supply.
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www.weidmueller.com**Technical data****Approvals**

Approvals



Approvals

CULUS;

ROHS

Conform

Downloads

Approval/Certificate/Document of Conformity	UL Certification Declaration of Conformity
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD
Software	Software unit – WI-Manager, DTM-Library for online installation V.1.2.3 Release notes for Weidmueller FDT-DTM Software version 1.2.3.
User Documentation	instruction sheet 20210120 Security Advisory WI-Manager affected by MM Software fdtCONTAINER vulnerability
Catalogues	Catalogues in PDF-format
Brochures	

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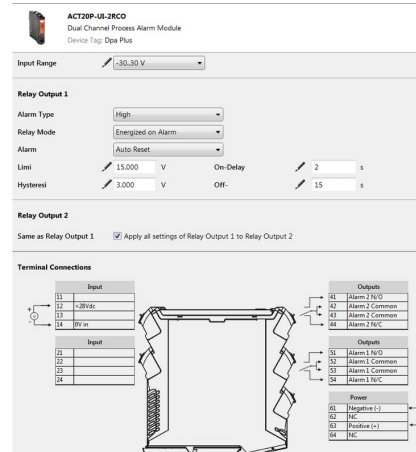
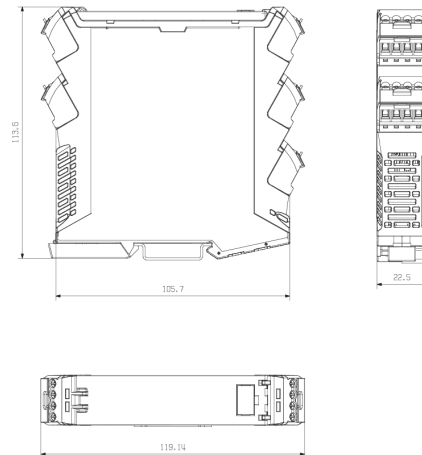
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Drawings

Dimensioned drawing



Removable terminals



screenshot of configuration with FDT2 / DTM software

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Accessories

Configuration interfaces



General ordering data

Type	CBX200 USB
Order No.	8978580000
GTIN (EAN)	4032248813759
Qty.	1 pc(s).

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

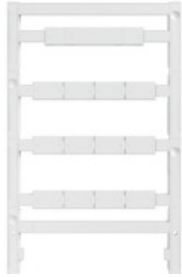
Type	ESG 6.6/20 BHZ 5.00/04	Version
Order No.	1082540000	ESG, Device markers x 20 mm, PA 66, Colour: white
GTIN (EAN)	4032248845439	
Qty.	200 pc(s).	

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www.weidmueller.com**Accessories****Blank**

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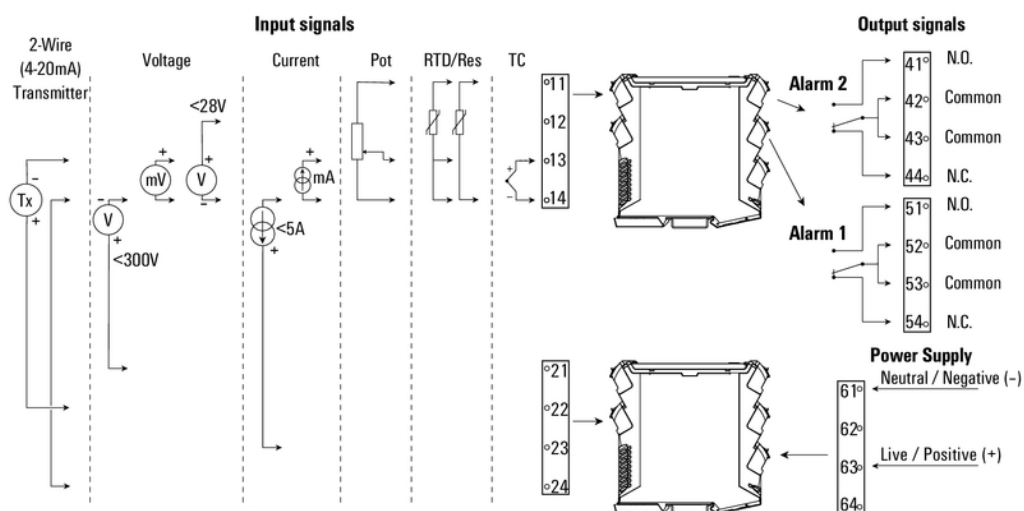
Type	ESG 8/13.5/43.3 SAI AU	Version
Order No.	1912130000	ESG, Device markers x 13.5 mm, PA 66, Colour: Transparent
GTIN (EAN)	4032248541164	
Qty.	5 pc(s).	

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Drawings


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