

ACT20P-PRO-FI-AO-DO-P**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image, Similar to illustration****ACT20P: The flexible solution**

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

General ordering data

Version	Frequency signal converter, Limit value monitoring, Frequency, PWM, analogue V / mA, Transistor (Alarm)
Order No.	2447950000
Type	ACT20P-PRO-FI-AO-DO-P
GTIN (EAN)	4050118462128
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	113.7 mm	Depth (inches)	4.476 inch
Height	117.2 mm	Height (inches)	4.614 inch
Width	12.5 mm	Width (inches)	0.492 inch
Net weight	999 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...60 °C
Humidity	0...95 % (no condensation)		

Probability of failure

SIL in compliance with IEC 61508	None
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Input

Input frequency	0,01 Hz...200 kHz, Tresh- old current (NAMUR): ≥1.65 mA, Hysterisis level: ≥0.2 mA	Input voltage	Threshold voltage (NPN / PNP Sensor): 3 V...43.5 V (configurable), Hysterisis level: ≥0.5 V
Sensor	NPN/PNP sensor, NA- MUR sensor, according to EN60947-5-6, Mechanical switch	Sensor supply	18 V ±15 %, 8.2 V ±15% (@ NAMUR sensor)

Output (digital)

Alarm function	configurable, Top and bot- tom limit values, window range, Short circuit at in- put, Alarm delay: 0...10 s, Hysteresis: 10 V	Number of digital outputs	1
Rated switching current	100 mA	Rated switching voltage	24 VDC ±30%
Type	NPN-Transistor, Switching frequency 5 kHz		

Output (analogue)

Load resistance current	≤ 600 Ω	Load resistance voltage	> 1 kΩ (60 VAC <U _{in} <230 VAC), > 5 kΩ (24 VAC <U _{in} <60 VAC)
Number of analogue outputs	1	Output current	-20...+20 mA, ± 10mA, 0(4)...20 mA
Output voltage	0...5 V, 0(1)...5 V, 0(2)...10 V, -5...+5 V, -10...+10 V	Signal output	direct or inverted
Transmit function	Linear, x ^{1/2} , x ^{3/2} , x ^{5/2} or user-defined curve (101 points), direct or inverted	Type (analogue output)	Voltage and current output (configurable)

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Accuracy	$\leq \pm 0.1\%$ of span	Configuration	with push-buttons and display
Long-term drift	$\leq \pm 0.05\%$ of the measurement range / year	Power consumption	$\leq 2.6\text{ W}$
Rail	TS 35	Step response time	40 ms + period
Temperature coefficient	$\leq 0.02\%$ / °C, $\leq 100\text{ ppm/K}$ of final value	Voltage supply	24...230 V DC $\pm 15\%$, 24...230 V AC $\pm 15\%$ @48...62 Hz

Insulation coordination

EMC standards	EN 61326-1	Impulse withstand voltage	5 kV (1.2/50 μs)
Insulation voltage	4 kV _{eff} / 1 min.	Pollution severity	2
Rated voltage	600 V	Surge voltage category	II

Safety-related basic specifications

Safety category	No
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Connection data

Type of connection	PUSH IN
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Classifications

ETIM 6.0	EC002918	ETIM 7.0	EC002918
ETIM 8.0	EC002918	ETIM 9.0	EC002918
ECLASS 9.0	27-21-01-28	ECLASS 9.1	27-21-01-28
ECLASS 10.0	27-21-01-28	ECLASS 11.0	27-21-01-28
ECLASS 12.0	27-21-01-28	ECLASS 13.0	27-21-01-28

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	UL certification DNV certification Bureau Veritas certification IECEx certification Declaration of Conformity
Engineering Data	CAD data – STEP
User Documentation	Configuration manual Instruction sheet
Catalogues	Catalogues in PDF-format

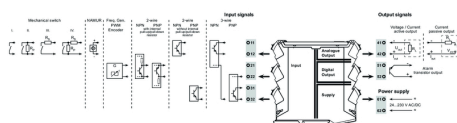
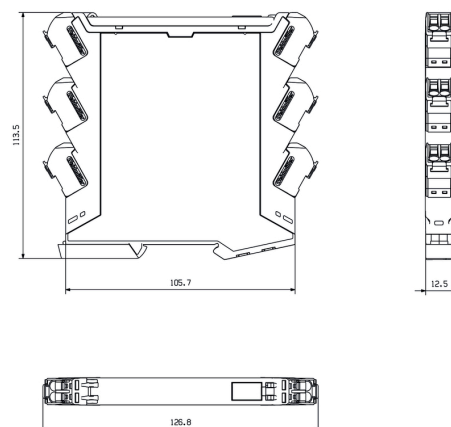
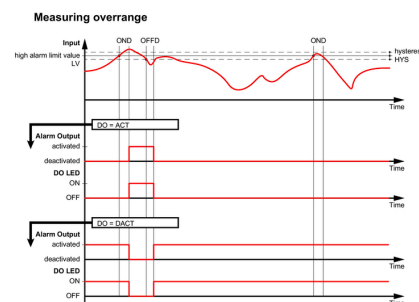
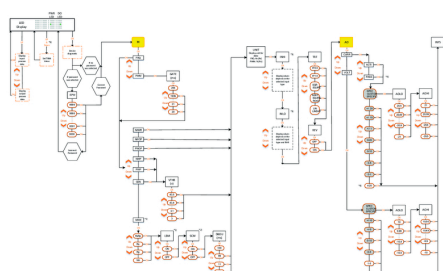
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Catalogue status 20.04.2024 / We reserve the right to make technical changes.

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Drawings
Connection diagram

Dimensioned drawing

Flow diagram part


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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

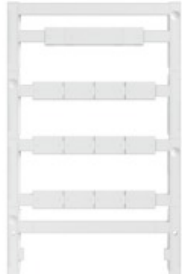
Type	ESG 6.6/11 BHZ 5.00/02	Version
Order No.	1082490000	ESG, Device markers x 11 mm, PA 66, Colour: white
GTIN (EAN)	4032248845330	
Qty.	200 pc(s).	

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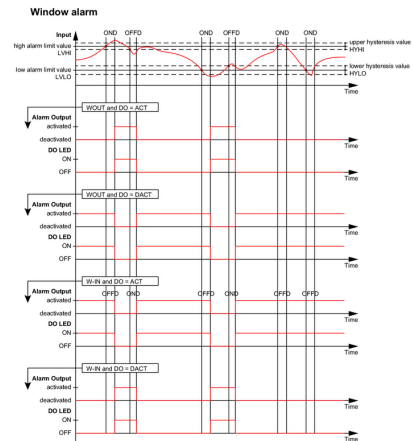
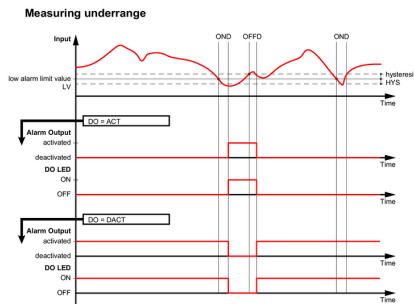
General ordering data

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

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Drawings


PUSH IN technology

