Data sheet

ACT20P-VI1-CO-OLP-P

Similar to illustration
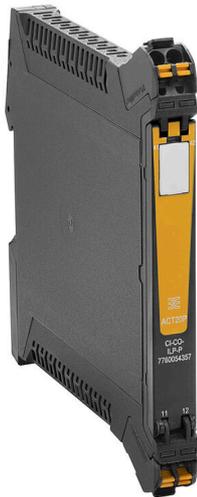
ACT20P: The flexible solution

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

General ordering data

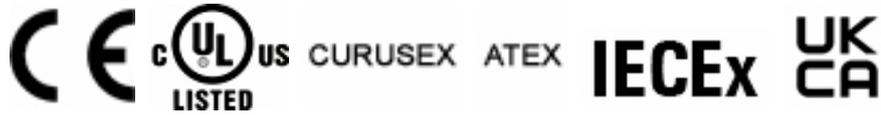|	
Version	Passive isolator, Input : 0-5 V, Output : 4-20 mA, (loop powered), Signal converter/isolator, Output current loop powered
Order No.	7760054355
Type	ACT20P-VI1-CO-OLP-P
GTIN (EAN)	4050118559491
Qty.	1 items

Creation date 09.03.2026 08:49:27 MEZ

ACT20P-VI1-CO-OLP-P

Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURusEX)	E338066
Certificate no. (cULus)	E469563

Dimensions and weights

Depth	114 mm	Depth (inches)	4.4882 inch
Height	127.1 mm	Height (inches)	5.0039 inch
Width	12.5 mm	Width (inches)	0.4921 inch
Net weight	130 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-20 °C...60 °C
Humidity at operating temperature	0...95 % (no condensation)	Humidity	5...95 %, no condensation

Probability of failure

SIL in compliance with IEC 61508	None

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7a, 7cI
REACH SVHC	Lead 7439-92-1
SCIP	2f6dd957-421a-46db-a0c2-cf1609156924

Input

Sensor	Voltage source	Number inputs	1
Input voltage	0...5 V DC	Input resistance, voltage	≥ 300 kΩ

Output

Number of outputs	1	Load impedance current	≤ 600 Ω
Type	passive, connected control must be active	Output current	4...20 mA, loop-powered

General data

Accuracy	<0.1 % of end value	Protection degree	IP20
Supply voltage	via output current loop, min. 12 V DC/ max. 30 V DC	Step response time	≤ 1 ms
Mounting rail	TS 35	Temperature coefficient	≤ 100 ppm/K
Nominal power consumption	2 VA	Configuration	none
Operating altitude	≤ 2000 m	Power consumption, typ.	2 W

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Technical data

Insulation coordination

Impulse withstand voltage	4 kV (1.2/50 μs)	EMC standards	EN 61326-1, EN 61000-6-2, EN 61000-6-4
Surge voltage category	III	Pollution severity	2
Galvanic isolation	2-way isolator	Insulation voltage	2 kV inputs / outputs
Rated voltage	300 V		

Data for Ex applications (ATEX)

Marking	II 3 G Ex ec IIC T6 Gc	IECEx - gas labelling	Ex ec IIC T6 Gc

Connection data

Type of connection	PUSH IN	Tightening torque, min.	0.4 Nm
Tightening torque, max.	0.6 Nm	Clamping range, rated connection	2.5 mm²
Clamping range, min.	0.5 mm²	Clamping range, max.	2.5 mm²
Wire connection cross section AWG, min.	AWG 26	Wire connection cross section AWG, max.	AWG 14
Wire cross-section, solid, min.	0.2 mm²	Wire cross-section, solid, max.	2.5 mm²
Wire connection cross section, finely stranded, min.	0.5 mm²	Wire connection cross section, finely stranded, max.	2.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm²

Part description

Product description	The ACT20P-VIX-CO-OLP-S single-channel fixed passive isolator isolates and converts analogue standard signals. An analogue input voltage signal is linearly converted into an analogue output current signal and galvanically isolated. The device is powered via the output current loop. Features • 2-way galvanic isolation between input and output.

Classifications

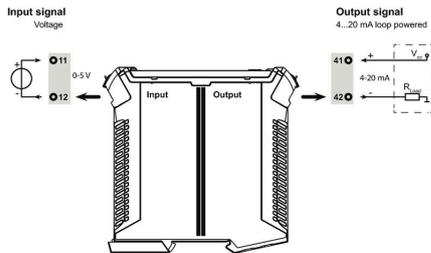|			
ETIM 8.0	EC002653	ETIM 9.0	EC002653
ETIM 10.0	EC002653	ECLASS 14.0	27-21-01-20
ECLASS 15.0	27-21-01-20		

ACT20P-VI1-CO-OLP-P

Drawings

Connection diagram

Dimensioned drawing
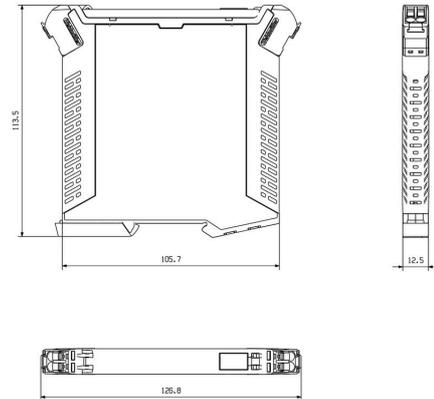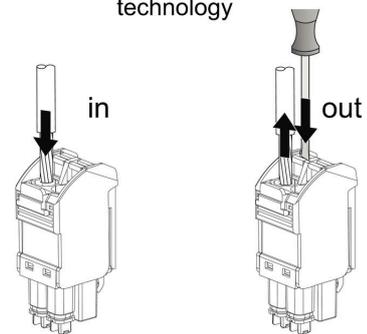
ACT20P-VI1-CO-OLP-P

Accessories

Blank
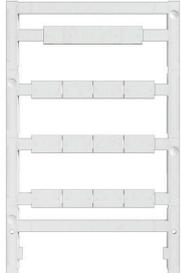
ESG is the tried-and-tested marker in MultiCard format for use on many well-known electrical devices. The result is high-quality device marking with a high-contrast appearance.

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,
GTIN (EAN)	4032248541164	pluggable
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	