

ACT20P-CI-2CO-OLP-P**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**ACT20P: The flexible solution**

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

General ordering data

Version	Passive isolator, Input : 4-20 mA, Output : 2 x 4-20 mA, (loop powered), Signal distributor, Output current loop powered
Order No.	2619390000
Type	ACT20P-CI-2CO-OLP-P
GTIN (EAN)	4050118622904
Qty.	1 pièce(s)

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Caractéristiques techniques**Dimensions and weights**

Depth	114 mm	Depth (inches)	4,488 inch
Height	127,1 mm	Height (inches)	5,004 inch
Width	12,5 mm	Width (inches)	0,492 inch
Net weight	140 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
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Input

Input current	4...20mA	Number of inputs	1
Sensor	4-wire sensor (with own power supply), Current source	Voltage drop, current input	<3 V

Output

Load impedance current	$R_L = (U_B - 12 \text{ V}) / 20 \pm 20 \text{ mA}$, e.g. 600 Ω at 24 V	Output current	4...20 mA, loop-powered
Type	passive, connected control must be active		

Output (digital)

Max. switching voltage, AC	0 V	Max. switching voltage, DC	0 V
Rated switching current	0.1 A		

General data

Accuracy	<0.1 % of end value	Configuration	none
Protection degree	IP20	Rail	TS 35
Step response time	$\leq 2 \text{ ms}$	Type of signal forwarding according to HART®	unchanged
Voltage supply	via output current loop, min. 12 V DC/ max. 30 V DC		

Insulation coordination

EMC standards	EN 61326-1, EN 61000-6-2, EN 61000-6-4	Impulse withstand voltage	4 kV (1.2/50 μs)
Insulation voltage	2 kV (Input /Output), 1 min, 50 Hz	Rated voltage	300 V
Surge voltage category	III		

Data for Ex applications (ATEX)

Marking	II 3 G Ex ec IIC T6 Gc
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Caractéristiques techniques**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 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 14
Wire cross-section, solid, min.	0,5 mm ²	Wire cross-section, solid, max.	2,5 mm ²
Wire connection cross section, finely stranded, min.	0,5 mm ²	Wire connection cross section, finely stranded, max.	2,5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0,2 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2,5 mm ²

Classifications

ETIM 6.0	EC002653	ETIM 7.0	EC002653
ETIM 8.0	EC002653	ETIM 9.0	EC002653
ECLASS 9.0	27-21-01-20	ECLASS 9.1	27-21-01-20
ECLASS 10.0	27-21-01-20	ECLASS 11.0	27-21-01-20
ECLASS 12.0	27-21-01-20	ECLASS 13.0	27-21-01-20
ECLASS 14.0	27-21-01-20		

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

Important note

Product information	The ACT20P-CI-2CO-OLP-S fixed passive isolator isolates analogue standard current source signals. An analogue input current signal is converted linearly and doubled to provide two galvanically separated output current signals. The device is powered via the output current loop. Features • 3-way galvanic isolation between input, output 1 and output 2.
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Approvals

Approvals



ROHS	Conform
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Downloads

Approval/Certificate/Document of Conformity	ATEX Certification IECEx Certification UL Certification (hazardous location) UL Certification (US-CAN) UL certification (hazardous locations) for canada Declaration of Conformity
Engineering Data	CAD data – STEP
User Documentation	Instruction sheet
Catalogues	Catalogues in PDF-format

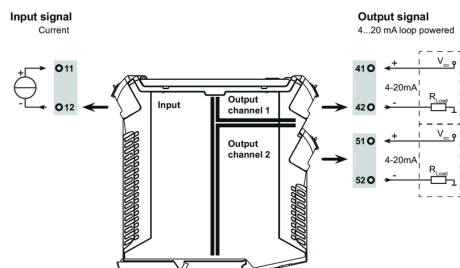
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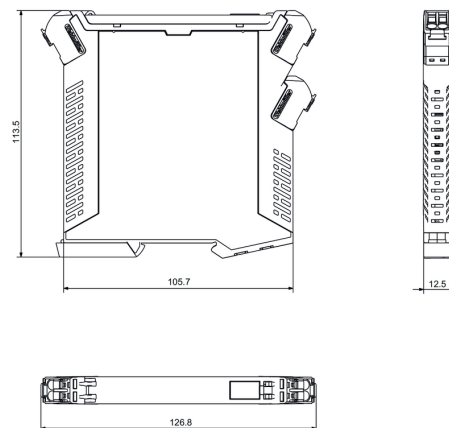
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Dessins

Connection diagram



Dimensioned drawing



PUSH IN technology

