

ACT20P-2CI-2CO-12-P-P

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

www.weidmueller.com

Similar to illustration



ACT20P: The flexible solution

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

General ordering data

Version	Analogue isolating amplifier, Input : 2 x 0(4) - 20 mA, Output : 0(4)-20 mA, Voltage supply also via CH20M rail bus, HART®
Order No.	2514650000
Type	ACT20P-2CI-2CO-12-P-P
GTIN (EAN)	4050118535228
Qty.	1 items

ACT20P-2CI-2CO-12-P-P

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

www.weidmueller.com

Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E469563
Certificate no. (cULusEX)	E338066

Dimensions and weights

Depth	113.7 mm	Depth (inches)	4.4764 inch
Height	127.1 mm	Height (inches)	5.0039 inch
Width	12.5 mm	Width (inches)	0.4921 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
----------------------------------	------

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	4- wire sensor (with own power supply)	Number inputs	2
Input voltage	≤ 28 V DC	Input signal	HART signal® bidirectional
Input current	0...20 mA, 4...20mA	Voltage drop	≤ 1 V

Output

Number of outputs	2	Type	active, connected control must be passive
Output current	0...20 mA (if input: 0...20 mA), 4...20 mA (if input: 4...20 mA), HART® digital signal		

General data

Protection degree	IP20	Supply voltage	20...30 V at terminal or via CH20M rail bus
Current consumption	≤100 mA (24V power supply, 20mA output)	Mounting rail	TS 35

ACT20P-2CI-2CO-12-P-P

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

www.weidmueller.com

Technical data

Type of signal forwarding according to HART®	unchanged	Nominal power consumption	2 VA
Configuration	none	Operating altitude	≤ 2000 m

Data for Ex applications (ATEX)

Marking	II 3 G Ex ec IIC T5 Gc	IECEx - gas labelling	Ex ec IIC T5 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 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.	0.2 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.	0.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm ²

Part description

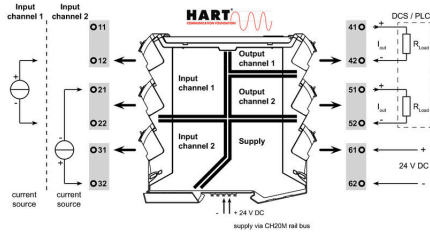
Product description	<p>The dual-channel, non-adjustable DC isolating amplifier ACT20P-2CI-2CO isolates analogue standard current source signals. An analogue input current signal is linearly converted into an analogue output current signal and is galvanically isolated. The power supply is galvanically isolated from the input and output (5-way isolation).</p> <p>Properties</p> <ul style="list-style-type: none"> • HART-compatible for 0.5 - 2.5 kHz • Operating status display on a front panel LED • Galvanic 5-way isolation between input, output and supply.
---------------------	--

Classifications

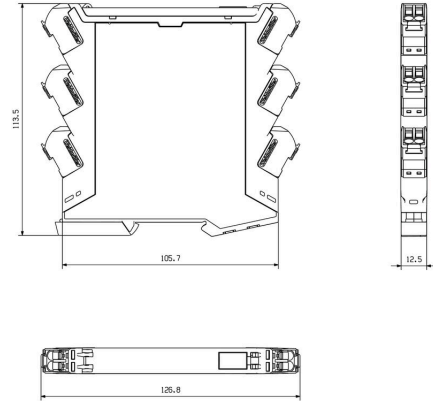
ETIM 8.0	EC002653	ETIM 9.0	EC002653
ETIM 10.0	EC002653	ECLASS 14.0	27-21-01-20
ECLASS 15.0	27-21-01-20		

Drawings

Connection diagram



Dimensioned drawing



Additional power supply option via bus

PUSH IN technology

