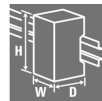


ACT20P-2CI-2CO-ILP-P**Weidmüller Interface GmbH & Co. KG**

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	Passive isolator, Input : 2 x 0(4) - 20 mA, (loop powered), Output : 2 x 0(4) - 20 mA, Input current loop feed
Order No.	7760054358
Type	ACT20P-2CI-2CO-ILP-P
GTIN (EAN)	4050118559729
Qty.	1 pc(s).

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

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data**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

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
----------------------------------	------

Input

Number of inputs	2	Sensor	4-wire sensor (with own power supply), Current source
Voltage drop, current input	≤ 3.5 V @ I input = 20 mA		

Output

Load impedance current	≤ 600 Ω	Number of outputs	2
Output current	0...20 mA (if input: 0...20 mA), 4...20 mA (if input: 4...20 mA)	Type	active, connected control must be passive

General data

Accuracy	<0.1 % of end value	Configuration	none
Nominal power consumption	2 VA	Operating altitude	≤ 2000 m
Protection degree	IP20	Rail	TS 35
Step response time	≤ 1 ms	Voltage supply	Loop powered, via 4...20 mA input

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 inputs / outputs	Rated voltage	300 V

Data for Ex applications (ATEX)

Marking	II 3 G Ex ec IIC T6 Gc
---------	------------------------

ACT20P-2CI-2CO-ILP-P

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

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

Classifications

ETIM 6.0	EC002653	ETIM 7.0	EC002653
ETIM 8.0	EC002653	ETIM 9.0	EC002653
ETIM 10.0	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
ECLASS 15.0	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-2CI-2CO-ILP-S (dual channel) fixed passive isolators isolate analogue standard current source signals. An analogue input current signal is converted linear and galvanic isolated into an analogue output current signal. The device is powered via the input current loop. Features Galvanic 4-way isolation (dual-channel device) between all inputs and outputs.
---------------------	--

Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319231/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319213/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319240/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURusEX)	E338066
Certificate no. (cULus)	E469563

Creation date May 16, 2025 8:30:08 AM CEST

Catalogue status 10.05.2025 / We reserve the right to make technical changes.

ACT20P-2CI-2CO-ILP-P

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

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

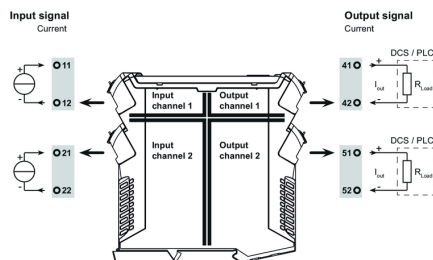
ACT20P-2CI-2CO-ILP-P

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

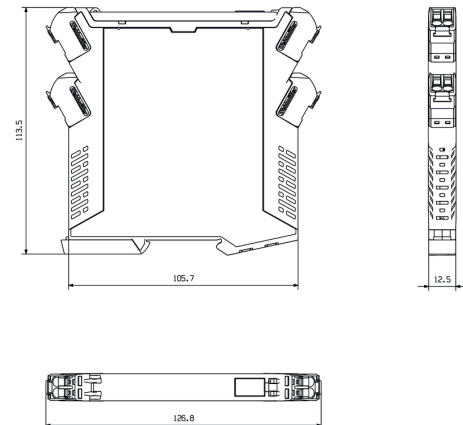
www.weidmueller.com

Drawings

Connection diagram



Dimensioned drawing



PUSH IN technology

