

ACT20P-2CI-2CO-ILP-S**Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

info@weidmueller.com

www.weidmueller.com

Similar to illustration**ACT20P: The flexible solution**

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

General ordering data

Version	Signal converter/isolator, dual channel, Input current loop feed, Input : 2 x 0(4) - 20 mA, (loop powered), Output : 2 x 0(4) - 20 mA
Order No.	7760054124
Type	ACT20P-2CI-2CO-ILP-S
GTIN (EAN)	6944169656644
Qty.	1 pc(s).

ACT20P-2CI-2CO-ILP-S**Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

info@weidmueller.com

www.weidmueller.com

Technical data**Dimensions and weights**

Depth	114 mm	Depth (inches)	4.488 inch
Height	117.2 mm	Height (inches)	4.614 inch
Width	12.5 mm	Width (inches)	0.492 inch
Net weight	110 g		

Temperatures

Operating temperature	-20 °C...60 °C	Humidity	5...95 %, no condensation
-----------------------	----------------	----------	---------------------------

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1	SCIP	2f6dd957-421a-46db-a0c2-cf1609156924
------------	----------------	------	--------------------------------------

Input

Input current	0(4)...20 mA current loop	Number of inputs	2
Sensor		Voltage drop, current input	3.8 V, Approx. 3 V at $R_L = 0 \Omega$; approx. 13 V at $R_L = 500 \Omega$; ($I_{IN} = 20 \text{ mA}$)
	Current source		

Output

Load impedance current	$\leq 600 \Omega$	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
Galvanic isolation	2-way isolator	Rail	TS 35
Step response time	$\leq 1 \text{ ms}$	Temperature coefficient	$\leq 100 \text{ ppm/K}$
Type of connection	Screw connection	Voltage supply	Loop powered, via 4...20 mA input

Insulation coordination

EMC standards	EN 61010-1:2011, UL 61010-1, IEC 61000-6-2, IEC 61000-6-4	Galvanic isolation	2-way isolator
Impulse withstand voltage	4 kV (1.2/50 μs)	Insulation voltage	2 kV inputs / outputs
Pollution severity	2	Rated voltage	300 V
Surge voltage category	III		

Data for Ex applications (ATEX)

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

ACT20P-2CI-2CO-ILP-S

Weidmüller Interfaces GmbH & Co. KG

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

info@weidmueller.com

Technical data**Connection data**

Type of connection	Screw connection	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 12

Classifications

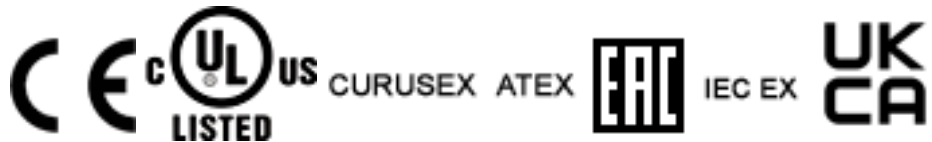
ETIM 6.0	EC002475	ETIM 7.0	EC002475
ETIM 8.0	EC002475	ECLASS 9.0	27-21-01-23
ECLASS 9.1	27-21-01-23	ECLASS 10.0	27-21-01-23
ECLASS 11.0	27-21-01-23	ECLASS 12.0	27-21-01-23

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



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

Downloads

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

ACT20P-2CI-2CO-ILP-S

Weidmüller Interfaces GmbH & Co. KG

Postfach 3030

32760 Detmold

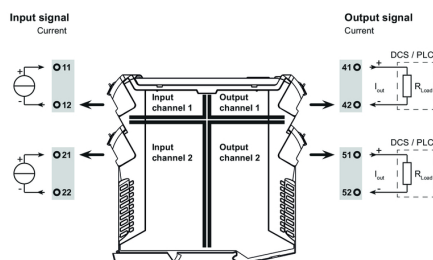
Tel. +49 5231 14-0

Fax. +49 5231 14-2083

Drawings

info@weidmueller.com

Connection diagram



Dimensioned drawing

