

## ACT20P-CI2-CO-OLP-P

Weidmüller Interfaces GmbH & Co. KG

Postfach 3030

32760 Detmold

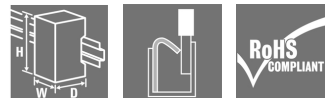
Tel. +49 5231 14-0

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### Similar to illustration



### ACT20P: The flexible solution

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

### General ordering data

|            |   |
|------------|---|
| Version    | Signal converter/isolator, Output current loop powered, Input : 4-20 mA, Output : 4-20 mA, (loop powered) |
| Order No.  | <a href="#">7760054354</a>  |
| Type       | ACT20P-CI2-CO-OLP-P   |
| GTIN (EAN) | 4050118559477   |
| Qty.       | 1 pc(s).  |

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**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 | 131 g    |                 |            |

**Temperatures**

|                     |                           |                       |                |
|---------------------|---------------------------|-----------------------|----------------|
| Storage temperature | -40 °C...85 °C            | 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 | 4...20 mA      | Number of inputs            | 1     |
| Sensor        | Current source | Voltage drop, current input | < 3 V |

**Output**

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

**General data**

|                    |                      |                         |   |
|--------------------|----------------------|-------------------------|---|
| Accuracy           | < 0.1 % of end value | Configuration           | none  |
| Galvanic isolation | 2-way isolator       | Rail                    | TS 35   |
| Step response time | ≤ 2 ms               | Temperature coefficient | ≤ 100 ppm/K   |
| Type of connection | PUSH IN              | Voltage supply          | via output current loop, min. 12 V DC/ max. 30 V DC |

**Insulation coordination**

|                           |  |                    |                       |
|---------------------------|--|--------------------|-----------------------|
| EMC standards             | EN 61010-1:2011, UL 61010-1, IEC61000-6-2, 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 |
|---------|------------------------|

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## Technical data

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0.4 Nm

2.5 mm<sup>2</sup>2.5 mm<sup>2</sup>

AWG 14

2.5 mm<sup>2</sup>2.5 mm<sup>2</sup>2.5 mm<sup>2</sup>2.5 mm<sup>2</sup>2.5 mm<sup>2</sup>2.5 mm<sup>2</sup>

## Classifications

ETIM 6.0 EC002653 ETIM 7.0 EC002653

ETIM 8.0 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

## Important note

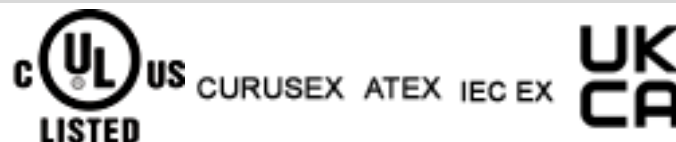
Product information The ACT20P-CIX-CO-OLP-S single-channel fixed passive isolator isolates analogue standard current source signals. An analogue input current signal is converted linear and galvanic isolated into an analogue output current signal. The device is powered via the output current loop.

## Features

- 2-way galvanic isolation between input and output.

## 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](#)User Documentation [Instruction sheet](#)Catalogues [Catalogues in PDF-format](#)

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Catalogue status 09.09.2022 / We reserve the right to make technical changes.

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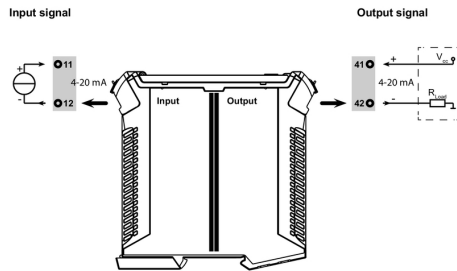
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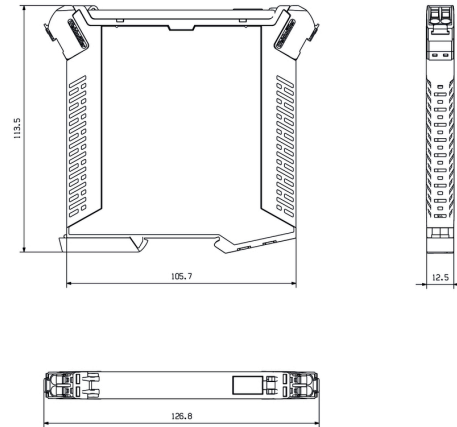
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**Drawings**

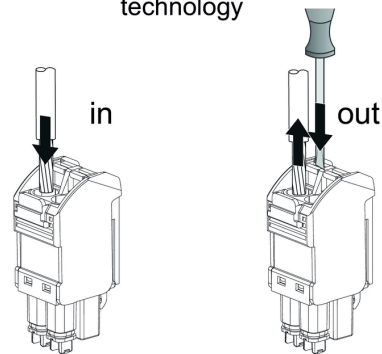
**Connection diagram**



**Dimensioned drawing** [info@weidmueller.com](mailto:info@weidmueller.com)



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