

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

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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 : 0(4)-20 mA, (loop powered), Output : 0(4)-20 mA, Input current loop feed |
| Order No.  | <a href="#">7760054123</a>                                                                         |
| Type       | ACT20P-CI-CO-ILP-S                                                                                 |
| GTIN (EAN) | 6944169656637                                                                                      |
| Qty.       | 1 pc(s).                                                                                           |

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**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 | 100 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 |
|----------------------------------|------|

**Input**

|               |                                                       |                             |       |
|---------------|-------------------------------------------------------|-----------------------------|-------|
| Input current | 0(4)...20 mA current loop                             | Number of inputs            | 1     |
| Sensor        | 4-wire sensor (with own power supply), Current source | Voltage drop, current input | 3.8 V |

**Output**

|                        |                                                                  |                   |                                           |
|------------------------|------------------------------------------------------------------|-------------------|-------------------------------------------|
| Load impedance current | ≤ 600 Ω                                                          | Number of outputs | 1                                         |
| 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 |

**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                              |
| Galvanic isolation      | 2-way isolator      | Nominal power consumption | 2 VA                              |
| Operating altitude      | ≤ 2000 m            | Protection degree         | IP20                              |
| Rail                    | TS 35               | Step response time        | ≤ 1 ms                            |
| Temperature coefficient | ≤ 100 ppm/K         | Voltage supply            | Loop powered, via 4...20 mA input |

**Insulation coordination**

|                           |                                        |                    |                         |
|---------------------------|----------------------------------------|--------------------|-------------------------|
| EMC standards             | EN 61326-1, EN 61000-6-2, EN 61000-6-4 | Galvanic isolation | 2-way isolator          |
| Impulse withstand voltage | 3 kV (1.2/50μs)                        | Insulation voltage | 2.5 kV (input / output) |
| 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****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 <sup>2</sup> |
| Clamping range, min.                    | 0.5 mm <sup>2</sup> | Clamping range, max.                    | 2.5 mm <sup>2</sup> |
| Wire connection cross section AWG, min. | AWG 26              | Wire connection cross section AWG, max. | AWG 12              |

**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 | <p>The ACT20P-CI-CO-ILP-S 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.</p> <p>Features</p> <ul style="list-style-type: none"> <li>Galvanic 2-way isolation (single-channel device) between input and output.</li> </ul> |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Approvals**

Approvals



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

## ACT20P-CI-CO-ILP-S

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## Technical data

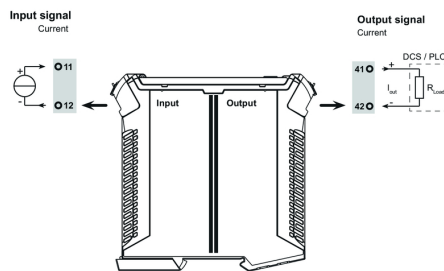
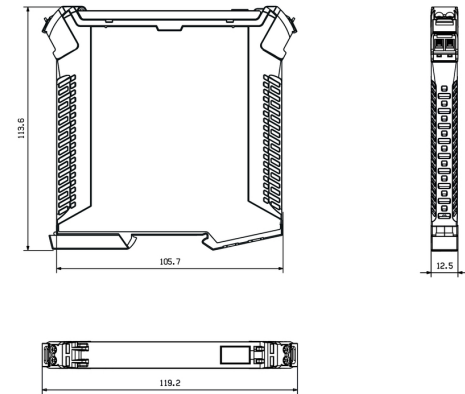
### Downloads

|                                             |                                                                                                                                                                                                                                                                                                   |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">ATEX Certification</a><br><a href="#">IECEX Certification</a><br><a href="#">UL Certification (hazardous location)</a><br><a href="#">UL Certification (US-CAN)</a><br><a href="#">UL certification (hazardous locations) for canada</a><br><a href="#">Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                                                                                                                                                                                                                                                                   |
| User Documentation                          | <a href="#">Instruction sheet</a>                                                                                                                                                                                                                                                                 |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                                                                                                                                                                                                          |

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**Drawings****Connection diagram****Dimensioned drawing**

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Blank**

ESG is the tried-and-tested marker in MultiCard format for use on many well-known electrical devices. The result is high-quality device marking with a high-contrast appearance.

Various types are available for devices from manufacturers like Siemens, ABB, Beckhoff etc.

Advantages at a glance:

- Tags for universal usage, self-adhesive or clip-on tags, depending on type
- For aligned equipment, e.g. circuit breakers, we supply ESG markers for clipping onto tag rails
- Individual laser-quality printing according to specifications

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

**General ordering data**

|            |                            |                                                   |
|------------|----------------------------|---------------------------------------------------|
| Type       | ESG 6.6/11 BHZ 5.00/02     | Version                                           |
| Order No.  | <a href="#">1082490000</a> | ESG, Device markers x 11 mm, PA 66, Colour: white |
| GTIN (EAN) | 4032248845330              |                                                   |
| Qty.       | 200 pc(s).                 |                                                   |

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**General ordering data**

|            |                            |                                                           |
|------------|----------------------------|-----------------------------------------------------------|
| Type       | ESG 8/13.5/43.3 SAI AU     | Version                                                   |
| Order No.  | <a href="#">1912130000</a> | ESG, Device markers x 13.5 mm, PA 66, Colour: Transparent |
| GTIN (EAN) | 4032248541164              |                                                           |
| Qty.       | 5 pc(s).                   |                                                           |