

ACT20P-CI2-CO-OLP-S**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 | Signal converter/insulator, Input : 4-20 mA, Output : 4-20 mA, (loop powered), Signal converter/insulator, Output current loop powered |
| Order No. | 7760054119 |
| Type | ACT20P-CI2-CO-OLP-S |
| GTIN (EAN) | 6944169656590 |
| 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 | 4...20mA | Number of inputs | 1 |
| Sensor | Current source, 4- wire sensor (with own power supply) | 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 |

Output (analogue)

| | |
|----------------|-------------------------|
| Output current | 4...20 mA, loop-powered |
|----------------|-------------------------|

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 |
| Voltage supply | via output current loop, min. 12 V DC/ max. 30 V DC | | |

Insulation coordination

| | | | |
|---------------------------|--|--------------------|-----------------------|
| EMC standards | EN 61326-1, EN 61000-6-2, EN 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**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 | EC002653 | ETIM 7.0 | EC002653 |
| ETIM 8.0 | EC002653 | ETIM 9.0 | 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 |

Environmental Product Compliance

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

Important note

| | |
|---------------------|--|
| Product information | <p>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.</p> <p>Features</p> <ul style="list-style-type: none"> • 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 |

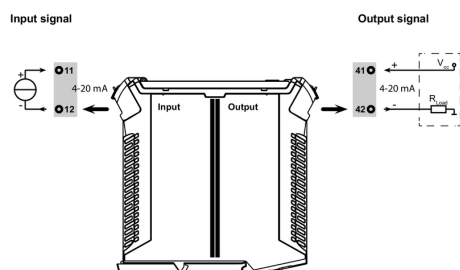
Downloads

| | |
|---|--|
| 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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Drawings**Connection diagram****Dimensioned drawing**