

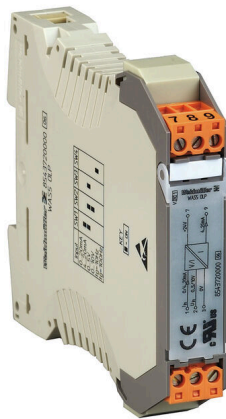
WAZ5 OLP

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

www.weidmueller.com

Only remaining stock available, Do not use product for new developments

Similar to illustration



General ordering data

| | |
|---------------------|---|
| Version | Signal converter/insulator, Input : I / U, Output : 4-20 mA, (loop powered) |
| Order No. | 8543730000 |
| Type | WAZ5 OLP |
| GTIN (EAN) | 4032248180769 |
| Qty. | 1 items |
| Delivery status | This article will no longer be available in the future. |
| Available until | 2022-03-30T00:00:00+02:00 |
| Alternative product | ACT20P-CI2-CO-OLP-P |

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E141197

Dimensions and weights

| | | | |
|------------|----------|-----------------|-------------|
| Depth | 112.4 mm | Depth (inches) | 4.4252 inch |
| Width | 17.5 mm | Width (inches) | 0.689 inch |
| Length | 92.4 mm | Length (inches) | 3.6378 inch |
| Net weight | 111 g | | |

Temperatures

| | | | |
|-----------------------------------|----------------------------|-----------------------|--------------|
| Storage temperature | -20 °C...85 °C | Operating temperature | 0 °C...70 °C |
| Humidity at operating temperature | 0...95 % (no condensation) | | |

Probability of failure

| | | | |
|----------------------------------|------|------|-------|
| SIL in compliance with IEC 61508 | None | MTTF | 366 a |
|----------------------------------|------|------|-------|

Environmental Product Compliance

| | |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status | Compliant with exemption |
| RoHS Exemption (if applicable/known) | 7a, 7cl |
| REACH SVHC | Lead 7439-92-1 |
| SCIP | 94561991-a963-4084-a5f3-dfa3a5c2a27e |

Input

| | | | |
|---------------------------|---------------------|---------------------------|-----------------------------------|
| Number inputs | 1 | Input voltage | 0...(5)10 V |
| Input current | 0...20 mA, 4...20mA | Input resistance, voltage | 0...5 V: 210 kΩ; 0...10 V: 430 kΩ |
| Input resistance, current | 51 Ω | | |

Output

| | | | |
|---------------------------|--------------------------|------------------------|---|
| Number of outputs | 1 | Load impedance current | $RL = (UB-12 V) / 20 \pm 20mA$, e.g. 600 Ω at 24 V |
| Output current | 4...20 mA (current loop) | Output signal limit | Approx. 31 mA |
| Cut-off frequency (-3 dB) | 10 Hz/ 100 Hz switchable | | |

General data

| | | | |
|-------------------------|-------------------------------------|---------------------------|---|
| Accuracy | 0.2% of measuring range final value | Protection degree | IP20 |
| Status indicator | Green LED | Supply voltage | min. 12 V DC/ max. 30 V DC, Loop powered, via 4...20 mA input |
| Step response time | <10 Hz: 80 ms; 100 Hz: 50 ms | Mounting rail | TS 35 |
| Temperature coefficient | ≤ 150 ppm/K | Nominal power consumption | 1.5 VA |

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| | |
|---------------|------------|
| Configuration | DIP switch |
|---------------|------------|

Insulation coordination

| | | | |
|---------------------------|------------------|---|----------------------|
| Impulse withstand voltage | 4 kV | EMC standards | EN 55011, EN 61000-6 |
| Surge voltage category | III | Pollution severity | 2 |
| Galvanic isolation | Passive isolator | Insulation voltage input or output/rail | 4 kVeff / 1 min. |
| Insulation voltage | 4 kVeff / 5 s | Rated voltage | 300 V |

Connection data

| | | | |
|----------------------------------|--------------------------|------------------------------------|---------------------|
| Type of connection | Tension-clamp connection | Stripping length, rated connection | 7 mm |
| Clamping range, rated connection | 1.5 mm ² | Clamping range, min. | 0.5 mm ² |
| Clamping range, max. | 2.5 mm ² | | |

Important note

| | |
|---------------------|--|
| Product information | This product will soon be replaced by a new product. Please do not use with new systems. Please contact our technical support. |
|---------------------|--|

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC002653 | ETIM 9.0 | EC002653 |
| ETIM 10.0 | EC002653 | ECLASS 14.0 | 27-21-01-20 |
| ECLASS 15.0 | 27-21-01-20 | | |

Tender specification sheets

| | | | |
|--------------------|---|---------------------|---|
| Long specification | Standard signal isolating amplifier, output-current loop fed 1-channel isolating amplifier in 17.5 mm width, output-current loop fed, for transmitting and isolating analogue DC-current signals from 4...20 mA and voltage signals from 0...(5)10 V. Add-on housing for TS35 DIN rail installation Dimensions: L/W/H 92.4/17.5/ 112.4 mm Tension-clamp connection / nominal cross-section 1.5 mm ² Protection degree: IP 20 Input0(4)...20 mA 0...5 V / 0...10 V Output 4...20 mA Load resistance / R = (UB-12 V) / 20 mA z.b 600 Ohm at 20 mA Transmission error Auxiliary power 4...20 mA output current loopAmbienttemperature range 0°C...+55 °C Isolation EN 50178 , 2-way isolation up to 4 kV AC/DC Test voltage 4 kV | Short specification | Standard signal isolating amplifier, output-current loop fed 1-channel isolating amplifier in 17.5 mm width, output-current loop fed, for transmitting and isolating analogue DC-current signals from 4 to 20 mA and voltage signals from 0 to (5)10 V. |
|--------------------|---|---------------------|---|

WAZ5 OLP

Technical data

Rated
voltage 300 V AC/DC at
overvoltage category III
and pollution degree 2
Approvals cULus
Type WAZ5 CCC OLP

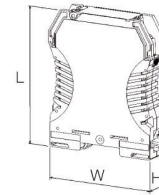
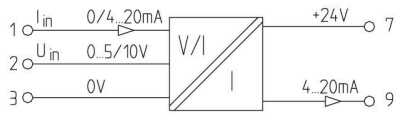
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Drawings

www.weidmueller.com

Connection diagram



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Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

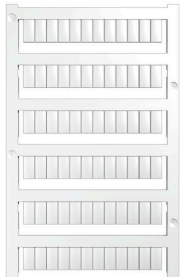
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Accessories

Blank



WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text.

WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with PrintJet CONNECT oder/or Plotter is possible.

- Can be fitted in strips or individually
- Markers in proven MultiCard format

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 | WS 10/5 MC NE WS | Version |
| Order No. | 1635000000 | WS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, |
| GTIN (EAN) | 4008190261948 | Allen-Bradley, white |
| Qty. | 720 ST | |