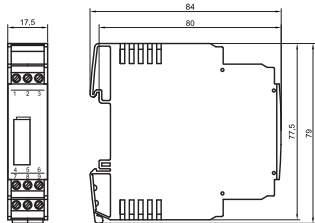


Interface Technology · Microcompact analogue/analogue converter

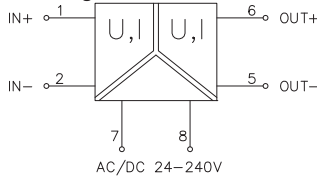
Input: 0–10 V / 0–20 mA / 4–20 mA, adjustable
Output: 0–10 V / 0–20 mA / 4–20 mA, adjustable
Insulation: 4 kV, 3-way isolation wide range input



Dimensions



PIN assignment



Range adjustment

| S1 | | |
|----------|----------|------|
| Input | Output | Pos. |
| 0 - 20mA | 0 - 10V | 0 |
| 0 - 20mA | 0 - 20mA | 1 |
| 0 - 20mA | 4 - 20mA | 2 |
| 4 - 20mA | 0 - 10V | 3 |
| 4 - 20mA | 0 - 20mA | 4 |
| 4 - 20mA | 4 - 20mA | 5 |
| 0 - 10V | 0 - 10V | 6 |
| 0 - 10V | 0 - 20mA | 7 |
| 0 - 10V | 4 - 20mA | 8 |

| Description | Part-No. | Type | PU | |
|---|--|-----------------------|----------------|-----------|
| Screw terminal | | | | |
| Nominal voltage | AC/DC 24–240 V | 750510 | WNAA 6-0510 | 1 |
| Spring terminal | | | | |
| Nominal voltage | AC/DC 24–240 V | 751510 | WNAA 6-1510 | 1 |
| Input | | | | |
| | 0/10 V | 0–20 mA | 4–20 mA | |
| Input resistance | 330 kΩ | 100 Ω | | |
| Input signal | 0–10 V, 0–20 mA, 4–10 mA, adjustable via switch | | | |
| Galvanic isolation I/O | 3-way isolation | | | |
| Zero /Span | Production comparison | | | |
| Transmission frequency | 30 Hz at 3 dB | | | |
| Output | | | | |
| | 0/10 V | 0–20 mA | 4–20 mA | |
| Max. load impedance at I-output | – | 400 Ω | | |
| Max. load impedance at U-output | >1 kΩ | – | | |
| Load impedance | 55 Ω | – | | |
| Output current | max. 21 mA | – | | |
| Output signal | Adjustable via switch | | | |
| Ripple | <5 mV _{eff} | | | |
| General | | | | |
| Nominal voltage | AC/DC 24–240 V | | | |
| Operation voltage range | DC: 16.8–264 V, AC: 19.2–264 V | | | |
| Rated current | 12.0 mA | | | |
| Status Indication | LED yellow | | | |
| Input/output protection | AC/DC 30 V overvoltage, current input with PTC, short circuit-proof output | | | |
| Accuracy | 0.1 % FSR (23 °C) | | | |
| Linearity error | 0.02 % | | | |
| Rise time (10 - 90%) | 10 ms | | | |
| Build-up time (Accuracy 1%) | 30 ms | | | |
| Transmission frequency | <30 Hz | | | |
| Temperature coefficient | <150 ppm / K FSR | | | |
| Insulation voltage input/output | 4.0 kV _{eff} | | | |
| Housing material | PPE | | | |
| Field installation | rail TS 35 (EN 50022) | | | |
| Protection class | IP 20 | | | |
| Installation position | Optional | | | |
| Termination | Screw-/spring terminal: 0.14–1.5 mm ² | | | |
| Operation temperature range | –25 °C – 60 °C | | | |
| Storage temperature range | –40 °C – 85 °C | | | |
| Dimensions (w × h × d) | 17.5 × 79.0 × 84.0 mm | | | |
| Weight (kg/piece) | 0.070 | | | |
| Approvals | cULus, Class I, Div. 2, Groups A, B, C, D T4A | | | |
| Accessories | Colour | Article number | Type | PU |
| Tag holder 7×20 mm | white | 760968 | BZT-0720 | 100 |
| Laser printer label 6.35×15.24 mm (sheet with 528 labels) | | 681033 | LEB-0615 | 1 |

Interface Technology · Microcompact analogue/analogue converter

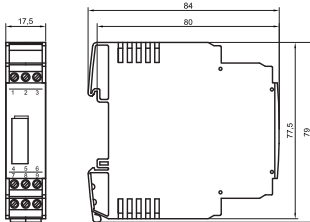
Input: 16 selectable ranges

Output: 0–10 V / 0–20 mA / 4–20 mA, adjustable

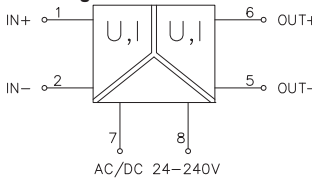
Insulation: 4 kV, 3-way isolation wide range input



Dimensions



PIN assignment



Range adjustment

| S1 | | | |
|-----------|------|----------|------|
| Input | Pos. | Input | Pos. |
| 0 - 60mV | 0 | 0 - 20V | 8 |
| 0 - 100mV | 1 | 2 - 10V | 9 |
| 0 - 300mV | 2 | 0 - 5mA | A |
| 0 - 500mV | 3 | 0 - 10mA | B |
| 0 - 1V | 4 | 0 - 20mA | C |
| 0 - 2V | 5 | 4 - 20mA | D |
| 0 - 5V | 6 | ±5mA | E |
| 0 - 10V | 7 | ±20mA | F |

| Switch On | S2 | | | |
|-----------|----|---|---|---|
| Output | 1 | 2 | 3 | 4 |
| 0-10V | ● | | | |
| 0-20mA | | ● | | |
| 4-20mA | | | ● | |

| Description | Part-No. | Type | PU | |
|---|--|--|--|-----|
| Screw terminal | | | | |
| Nominal voltage | AC/DC 24–240 V | 750517 | WUAA 6-0517 | 1 |
| Spring terminal | | | | |
| Nominal voltage | AC/DC 24–240 V | 751517 | WUAA 6-1517 | 1 |
| Input | | | | |
| Input signal | 0–60, 0–100, 0–300, 0–500 mV 0–1, 0–2, 0–5, 0–10, 0–20, 2–10 V adjustable via switch | | 0–5, 0–10, 0–20, 4–20, ±5, ±20 mA adjustable via DIP switch S1 | |
| Input resistance | 330 kΩ | | 100 Ω | |
| Galvanic isolation I/O | | 3-way isolation | | |
| Transmission frequency | | 30 Hz at 3 dB | | |
| Output | | | | |
| Max. load impedance at I-output | – | | 400 Ω | |
| Max. load impedance at U-output | >1 kΩ | | – | |
| Load impedance | 55 Ω | | – | |
| Output current | max. 21 mA | | – | |
| Output signal | | Adjustable via switch | | |
| Ripple | | <5 mV _{eff} | | |
| General | | | | |
| Nominal voltage | | AC/DC 24–240 V | | |
| Operation voltage range | | DC: 16.8–264 V, AC: 19.2–264 V | | |
| Rated current | | 12.0 mA | | |
| Status Indication | | LED yellow | | |
| Input/output protection | | Overvoltage AC/DC 30 V; Current input with PTC, Output short circuit-proof | | |
| Accuracy | | 0.1 % FSR (23 °C) | | |
| Linearity error | | 0.02 % | | |
| Rise time (10 - 90%) | | 10 ms | | |
| Build-up time (Accuracy 1%) | | 30 ms | | |
| Transmission frequency | | <30 Hz | | |
| Temperature coefficient | | <150 ppm / K FSR | | |
| Insulation voltage input/output | | 4.0 kV _{eff} | | |
| Housing material | | PPE | | |
| Field installation | | rail TS 35 (EN 50022) | | |
| Protection class | | IP 20 | | |
| Installation position | | Optional | | |
| Operation temperature range | | –25 °C – 60 °C | | |
| Storage temperature range | | –40 °C – 85 °C | | |
| Dimensions (w × h × d) | | 6.2 × 79.0 × 84.0 mm | | |
| Weight (kg/piece) | | 0.070 | | |
| Approvals | | cULus, Class I, Div. 2, Groups A, B, C, D T4A | | |
| Accessories | | | | |
| Tag holder 7×20 mm | white | 760968 | BZT-0720 | 100 |
| Laser printer label 6.35×15.24 mm (sheet with 528 labels) | | 681033 | LEB-0615 | 1 |

Interface Technology · Microcompact current/analogue converter

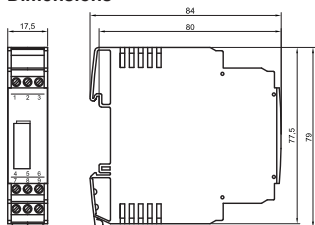
Input: AC/ DC 0–5 A

Output: 4–20 mA

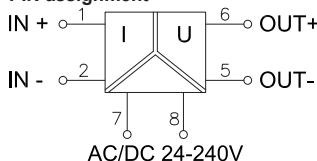
Insulation: 4 kV, 3-way isolation with wide-range input



Dimensions



PIN assignment



| Description | Part-No. | Type | PU | |
|---|---|--------|------------|-----|
| Screw terminal | | | | |
| Nominal voltage | AC/DC 24–240 V | 750931 | WAA 6-0931 | 1 |
| Spring terminal | | | | |
| Nominal voltage | AC/DC 24–240 V | 751931 | WAA 6-1931 | 1 |
| Input | | | | |
| Measurement input | AC/DC 0–5 A, ±5 A true RMS | | | |
| Galvanic isolation I/O | 3-way isolation | | | |
| Line frequency | 4 – 20 Hz | | | |
| Input resistance | <0.1 Ω, max. 10 A (30 s) | | | |
| Zero /Span | Production comparison | | | |
| Output | | | | |
| 4–20 mA | | | | |
| Max. load impedance at I-output | 400 Ω | | | |
| Max. load impedance at U-output | – | | | |
| Load impedance | – | | | |
| Output current | – | | | |
| Output signal | – | | | |
| Ripple | <5 mV _{eff} | | | |
| General | | | | |
| Nominal voltage | AC/DC 24–240 V | | | |
| Operation voltage range | DC: 16.8–264 V, AC: 19.2–264 V | | | |
| Rated current | 10.0 mA | | | |
| Status Indication | LED yellow | | | |
| Input/output protection | AC/DC 30 V overvoltage, current input with Varistor, short circuit-proof output | | | |
| Accuracy | < 0.5 % FSR | | | |
| Linearity error | < 0.1 % FSR | | | |
| Rise time (10 - 90%) | – | | | |
| Build-up time (Accuracy 1%) | – ms | | | |
| Transmission frequency | – | | | |
| Temperature coefficient | <150 ppm / K FSR | | | |
| Insulation voltage input/output | 4.0 kV _{eff} | | | |
| Housing material | PPE | | | |
| Field installation | rail TS 35 (EN 50022) | | | |
| Protection class | IP 20 | | | |
| Installation position | Optional | | | |
| Termination | Screw/spring terminal: 0.14–2.5 mm ² (with IO 1.5 mm ²) | | | |
| Operation temperature range | –25 °C – 60 °C | | | |
| Storage temperature range | –40 °C – 85 °C | | | |
| Dimensions (w × h × d) | 17.5 × 79.0 × 84.0 mm | | | |
| Weight (kg/piece) | 0.070 | | | |
| Approvals | – | | | |
| Standards | EN 13309, EN 60721-3-3, EN 55011, EN 61000-4-2/6, EN 50178 | | | |
| Accessories | | | | |
| Tag holder 7×20 mm | white | 760968 | BZT-0720 | 100 |
| Laser printer label 6.35×15.24 mm (sheet with 528 labels) | | 681033 | LEB-0615 | 1 |