



| | | |
|-----------------------|----------|------------|
| Identification | Type | WPT 6-0822 |
| | Part-No. | 750822 |

Input

| | |
|------------------------|---|
| Measurement input | PT100, 2/4-wire |
| Galvanic isolation I/O | 3-way isolation |
| Temperature range | -100–100°C / -100–150°C / -50–50°C / -0–100°C / 0–150°C / 0–200°C / 0–300°C / 0–400°C - adjustable via rotary switch S1 |
| Transmission frequency | 10 Hz |
| Input resistance | 240 kΩ |
| Sensor current | 0.5 mA |
| Zero /Span | Production comparison |

Load Side

| | 0/10 V | 0–20 mA | 4–20 mA |
|---------------------------------|--------|------------------------------|---------|
| Max. load impedance at I-output | | 400 Ω | 400 Ω |
| Max. load impedance at U-output | >1 kΩ | | |
| Load impedance | 55 Ω | | |
| Output current | | max. 21 mA | |
| Output signal | | adjustable via DIP switch S2 | |
| Ripple | | <5 mV _{eff} | |

General

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Part-No. 750822

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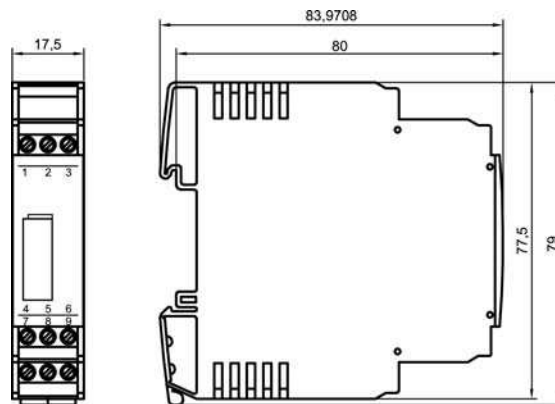
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Technical data sheet - Interface Technology

| | |
|-------------------------------------|--|
| Nominal voltage | AC/DC 24 V |
| Operation voltage range | DC: 16.8–30 V; AC: 19.2–28.8 V |
| Rated current | 10.0 mA |
| Status Indication | LED yellow, blinks for wire break and output goes to a saturated state |
| Input/output protection | Overvoltage AC/DC 30 V, Output short circuit-proof |
| Accuracy | 0.3 % FSR |
| Linearity error | 0.1 % FSR |
| Rise time (10 - 90%) | 30 ms |
| Build-up time (Accuracy 1%) | 60 ms |
| Error coefficient of measuring line | 0.1 K + 0.1 %/Ω |
| 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 terminal: 0.14–2.5 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 kg/piece |
| Approvals | cULus in preparation |
| Standards | EN 60721-3-3, EN 55011, EN 61000-4-2/6, EN 50178, contamination level 2, Over voltage category III |
| PU | 1 |

Dimensions



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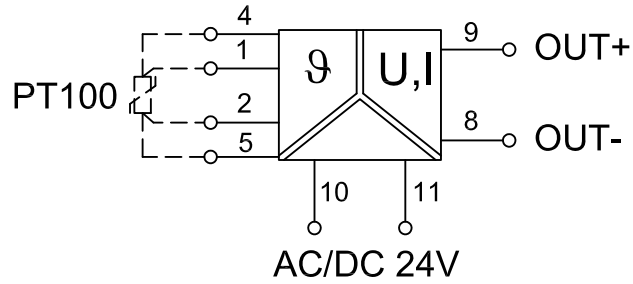
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SYSTEMATIC TECHNOLOGY

PIN assignment



Range adjustment

| S1 | |
|--------------|------|
| Range | Pos. |
| -100 – 100°C | 0 |
| -100 – 150°C | 1 |
| -50 – 50°C | 2 |
| 0 – 100°C | 3 |
| 0 – 150°C | 4 |
| 0 – 200°C | 5 |
| 0 – 300°C | 6 |
| 0 – 400°C | 7 |

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

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SYSTEMATIC TECHNOLOGY

Technical data sheet - Interface Technology

Accessories

| Accessories | Colour | Article number | Type | PU |
|--|--------|----------------|-----------|-----|
| Jumper comb 24pole, 26A | blue | 760801 | BK 6-0801 | 5 |
| marker holder | white | 681311 | BZT 0720 | 100 |
| Labels for laser printer A4 unpunched | | 681031 | LEB-A4 | 1 |
| Labels for laser printer 6,35 x 15,24mm (Sheet with 528 labels) | | 681033 | LEB-0615 | 1 |

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