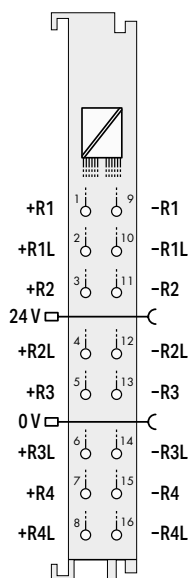


4-Channel Analog Input; Resistance measurement

Measurement range: $-30^{\circ}\text{C} \dots +150^{\circ}\text{C}$

750-463

4AI; RTD; $-30^{\circ}\text{C} \dots +150^{\circ}\text{C}$

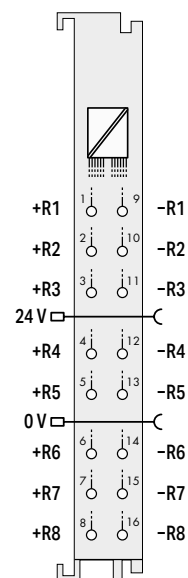


4-Channel Analog Input; Resistance measurement; Adjustable

Standard

750-450

4AI; RTD; Adjust



8-Channel Analog Input; Resistance measurement; Adjustable

Standard

750-451

8AI; RTD; Adjust

Extended temperature

750-451/025-000

8AI; RTD; Adjust; T

4

Pt1000; Configurable: Ni1000; KTY 81

2-wire

$-30 \dots +150^{\circ}\text{C}$

0.1 °C

$\leq 350 \mu\text{A}$

0.5 K in temperature range: $-30 \dots +150^{\circ}\text{C}$

20 ppm/K

24 VDC ($-25 \dots +30\%$); via power jumper contacts (power supply via blade contact; transmission via spring contact)

50 mA

4 x 16-bit data; 4 x 8-bit control/status (optional)

500 V (system/field)

0 ... $+55^{\circ}\text{C}$

12 x 69.8 x 100 mm

CE, RoHS, ATEX/IECEx

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4

Pt100; Configurable: Pt200; Pt500; Pt1000; Ni100; Ni120; Ni1000 (TK6180 + TK5000); Potentiometer 0 Ohm ... 1.2 kOhm; 0 Ohm ... 5 kOhm

2-wire; 3-wire; 4-wire

$-200 \dots +850^{\circ}\text{C}$ (Pt100, Pt200, Pt500, Pt1000); $-60 \dots +250^{\circ}\text{C}$ (Ni100, Ni1000); $-80 \dots +260^{\circ}\text{C}$ (Ni120)

0.1 °C

Per channel: $\leq 100 \text{ ms}$ (2-/4-wire connection), $\leq 200 \text{ ms}$ (3-wire connection)

$\leq 350 \mu\text{A}$

$\pm 0.6 \text{ K}$ (Pt100, Pt200, Pt500, Ni100, Ni120); $\pm 0.2 \text{ K}$ (Pt1000, Ni1000); $\pm 0.3 \dots 0.7 \Omega$ at resistance measurement

$\pm 5 \text{ ppm/K}$

24 VDC ($-25 \dots +30\%$); via power jumper contacts (power supply via blade contact; transmission via spring contact)

85 mA

4 x 16-bit data; 4 x 8-bit control/status (optional)

500 V (system/field)

0 ... $+55^{\circ}\text{C}$

12 x 69.8 x 100 mm

CE, RoHS, Marine; ATEX/IECEx

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8

Pt100; Configurable: Pt200; Pt500; Pt1000; Ni100; Ni120; Ni1000 (TK6180 + TK5000); Potentiometer 0 Ohm ... 1.2 kOhm; 0 Ohm ... 5 kOhm

2-wire

$-200 \dots +850^{\circ}\text{C}$ (Pt100, Pt200, Pt500, Pt1000); $-60 \dots +250^{\circ}\text{C}$ (Ni100, Ni1000); $-80 \dots +260^{\circ}\text{C}$ (Ni120)

0.1 °C

Per channel: $\leq 100 \text{ ms}$

$\leq 350 \mu\text{A}$

$\pm 0.6 \text{ K}$ (Pt100, Pt200, Pt500, Ni100, Ni120); $\pm 0.2 \text{ K}$ (Pt1000, Ni1000); $\pm 0.3 \Omega$ at resistance measurement

$\pm 5 \text{ ppm/K}$

24 VDC ($-25 \dots +30\%$); via power jumper contacts (power supply via blade contact; transmission via spring contact)

110 mA

8 x 16-bit data; 8 x 8-bit control/status (optional)

500 V (system/field)

0 ... $+55^{\circ}\text{C}$

$-20 \dots +60^{\circ}\text{C}$

12 x 69.8 x 100 mm

CE, RoHS, Marine; ATEX/IECEx

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