Technical data sheet · Interface Technology

Microcompact potentiometer/analogue converter

Identification	Type	WPOA 7-0058
	Part-No.	750558

Input	
Input signal	Potentiometer 0–6 kΩ, 2-conductor
Galvanic insulation I/O	3-way isolation
Zero /Span	Production comparison
Transmission frequency	10 Hz at 3 dB
Input characteristic impedance	1 MΩ

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 switch
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

02.04.2016 – Subject to technical modification

Part-No. 750558

USA: LUTZE INC.
13330 South Ridge Drive • Charlotte, NC 28273, USA
Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223
www.lutze.com • info@lutze.com

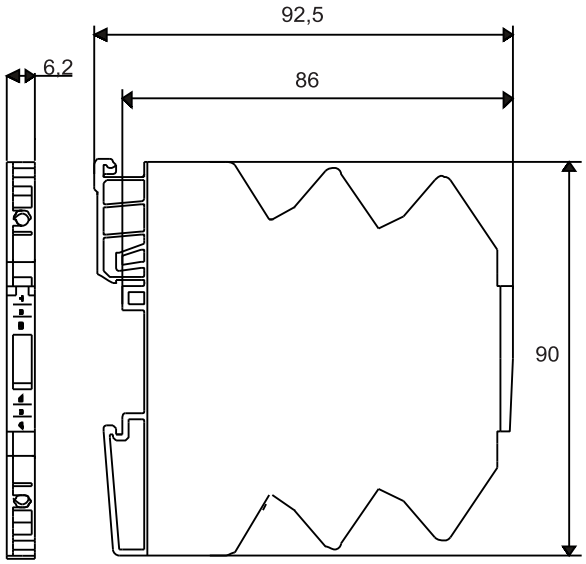
United Kingdom: LUTZE Ltd.
Unit 3, Sandy Hill Park
Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU
Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2
www.lutze.com • sales.gb@lutze.co.uk

SYSTEMATIC TECHNOLOGY

Ripple	<5 mV_{eff}

General	
Nominal voltage	AC/DC 24 V
Operation voltage range	DC: 16,8–30 V, AC: 19,2–28,8 V
Rated current	13.0 mA
Status Indication	LED flashes in the event of wire breakage and output will saturate.
Input/output protection	Overvoltage AC/DC 30 V, Output short circuit-proof
Accuracy	0.3 % FSR (23 °C)
Linearity error	0.10 %
Rise time (10 - 90%)	30 ms
Build-up time (Accuracy 1%)	60 ms
Temperature coefficient	150 ppm / K FSR
Insulation voltage input/output	1.5 kV_{eff}
Housing material	PA 6.6 (UL 94 V-0)
Field installation	rail TS 35 (EN 50022)
Protection class	IP 20
Installation postition	Optional
Termination	Screw 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)	6.2 × 90.0 × 92.5 mm
Weight (kg/piece)	0.040 kg/piece

Dimensions



02.04.2016 – Subject to technical modification

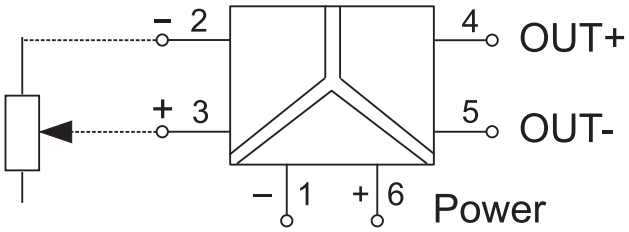
Part-No. 750558

USA: LUTZE INC.
13330 South Ridge Drive • Charlotte, NC 28273, USA
Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223
www.lutze.com • info@lutze.com

United Kingdom: LUTZE Ltd.
Unit 3, Sandy Hill Park
Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU
Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2
www.lutze.com • sales.gb@lutze.co.uk

SYSTEMATIC TECHNOLOGY

PIN assignment



Range adjustment

● → Switch On		S1					
Input	Output	1	2	3	4	5	6
Pot.	0-10V						
Pot.	0-20mA		●				
Pot.	4-20mA			●			

Accessories

Accessories	Color	Article number	Type	PU
Tag holder 4×11 mm	white	681313	BZT-0411	100

Accessories

Accessories	Color	2-pole	3-pole	4-pole	8-pole	16-pole	PU
6 A jumper comb	red	762802	762805	762812	762822	762832	10
6 A jumper comb	white	762803	762806	762813	762823	762833	10
6 A jumper comb	blue	762804	762807	762814	762824	762834	10

02.04.2016 – Subject to technical modification

Part-No. 750558

USA: LUTZE INC.
13330 South Ridge Drive • Charlotte, NC 28273, USA
Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223
www.lutze.com • info@lutze.com

United Kingdom: LUTZE Ltd.
Unit 3, Sandy Hill Park
Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU
Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2
www.lutze.com • sales.gb@lutze.co.uk

SYSTEMATIC TECHNOLOGY