

AMPLIFIER FOR LVDT

Links to compatible WayCon sensors:

[Data sheet LV series](#)

[Data sheet LVIG series](#)

[Data sheet LVPH series](#)



LVA2 SERIES

Key-Features:

- Amplifier for LVDTs
- Output signal: 0...10 V, 4...20 mA
- For all typical sensitivities
- Sensor supply: 3 V (further on request)
- Carrier frequency: 5 kHz (further on request)
- DIN rail mounting
- Protection class IP40
- Temperature range -25...+85 °C

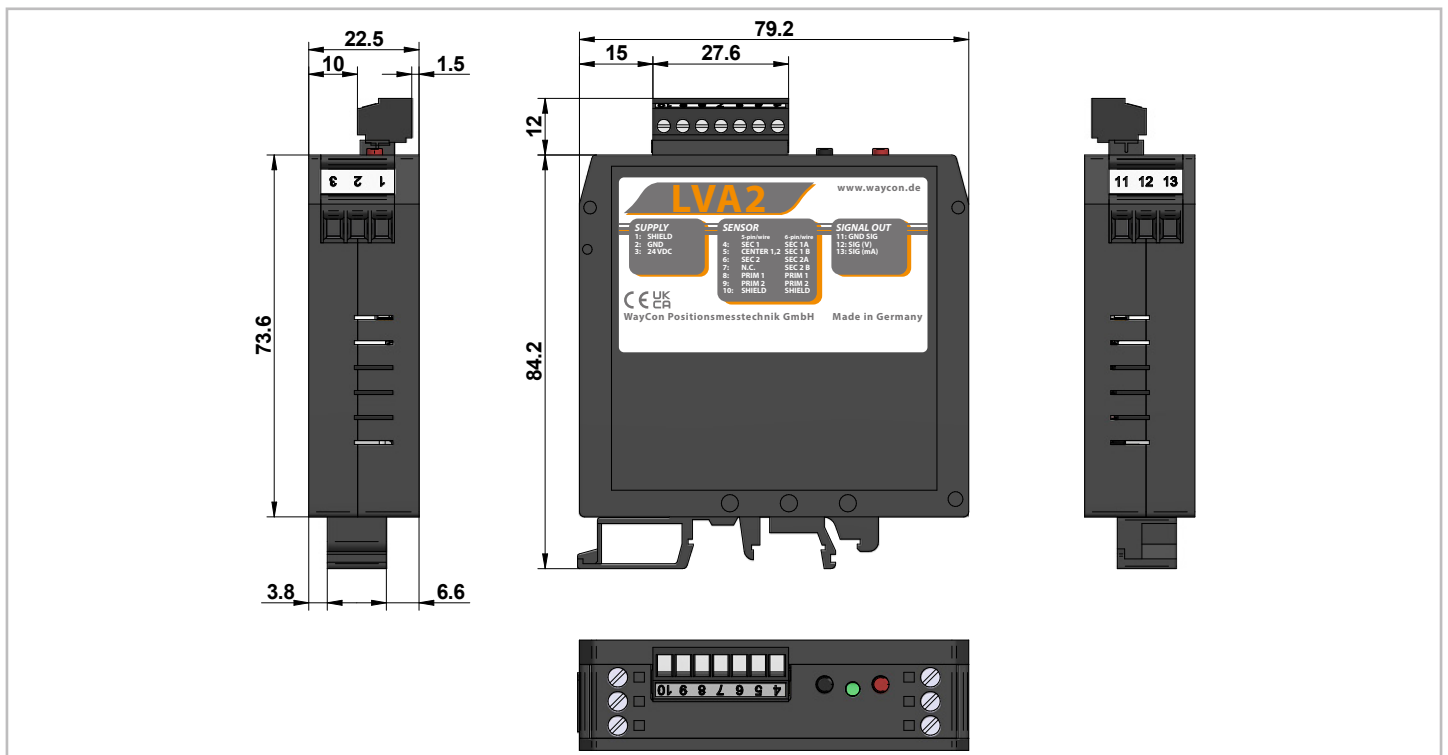
Content

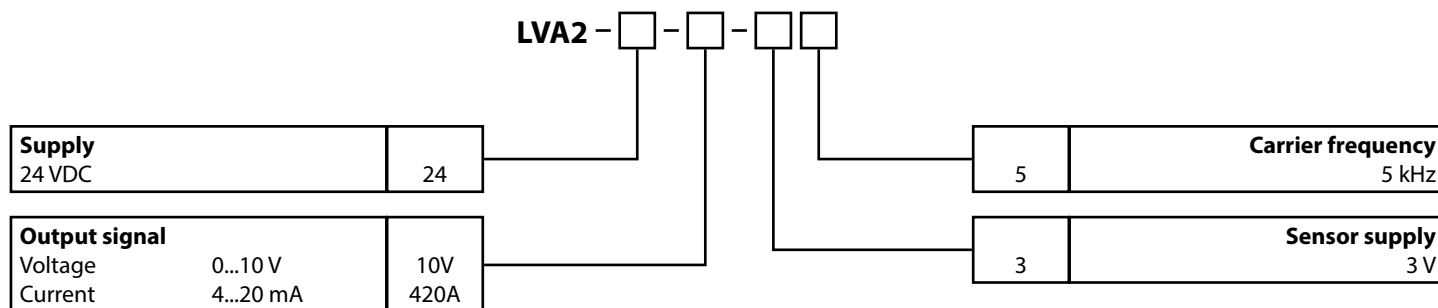
Technical Data	2
Technical Drawing	2
Electrical Connection.....	3
Order Code.....	3

TECHNICAL DATA

Output		0...10 V / 4...20 mA
Resolution		13.3 bit (approx. 10,000 steps)
Noise	[mV _{RMS}]	<3
Measurement range teachable		Yes
Supply	[VDC]	18...30
Current consumption (without load)	[mA]	<80 (at 24 V)
Isolation voltage	[VDC]	500
Isolation resistance at 500 VDC	[GΩ]	10
Cut-off frequency		max. 10 % of excitation frequency
Sensor supply	[V _{RMS}]	3
Carrier frequency	[kHz]	5
Protection class		IP40
Operating temperature	[°C]	-25...+85
Storage temperature	[°C]	-25...+85
Temperature coefficient	[% F.S./K]	Sensitivity: <±0.02 Zero point: <0.003
Mounting		DIN rail
Housing		Polyamide PA6.6

TECHNICAL DRAWING



ORDER CODE

Tel. +49 (0)89 67 97 13-100