

Linear-Transducer LMC55 - CO

Ref.: K-LMC55-CO-1

20.01.2015

0102010300

Advantages

- Cascadable, <= 20 m length
- Customer-specific solutions
- Flexible programming
- Further interfaces available
- Measures linear movements
- Position value - Adjustment
- Wear-free detection



General Data

Supply	
- Supply voltage	24 VDC, -20...+10 %
Current consumption no load	
- Master system	< 60 mA
- Single component	< 90 mA
Measuring principle	magnetostrictive
Measuring length, standard	5...20 m, complete system
	2 m, Single component
	End component, variable
Resolution	0.05 mm
Linearity deviation	< 0.02 %
	± 0.20 mm / Module
Reproducibility	0.05 mm
Hysteresis	0.1 mm
Straight line velocity	no restrictions
Mounting position	no restrictions
Material - Measuring body	Aluminium extruded profile
Magnet	T1-S5520
	other on request
CANopen - Interface	
- CANopen	EN 50325-4

Subject to change.

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General Data continuation

- Bus connection	ISO 11898-1, ISO 11898-2
- CAN Specification 2.0 A	11-Bit Identifier
- Device-Profile for Encoder	CiA DS406
- Layer Setting Services, LSS	CiA DS305
- Layer Management Services, LMT	CiA DS205-1, DS205-2
Parameter/Function, changeable	Resolution
	Number of magnets
	Node-ID
	Preset parameter
	Transmission rate
	Counting direction
Cycle time, internal	≤ 2 ms
Optional Magnets	
- Number of magnets	30
- Magnet - Minimum distance	100 mm

Environmental conditions

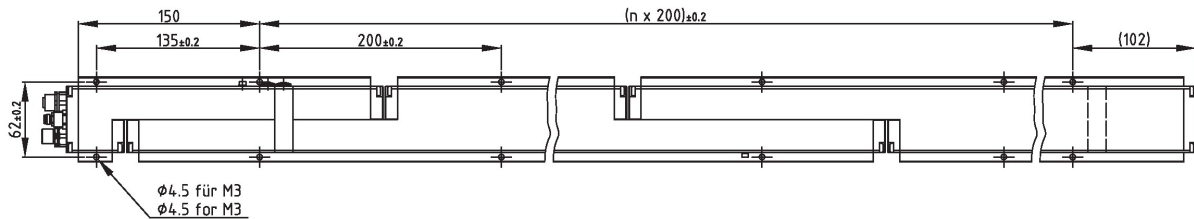
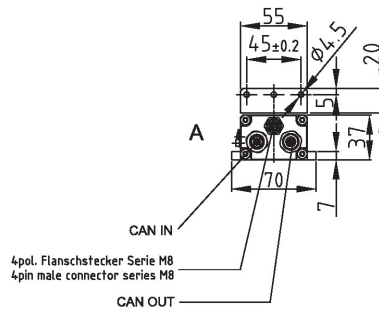
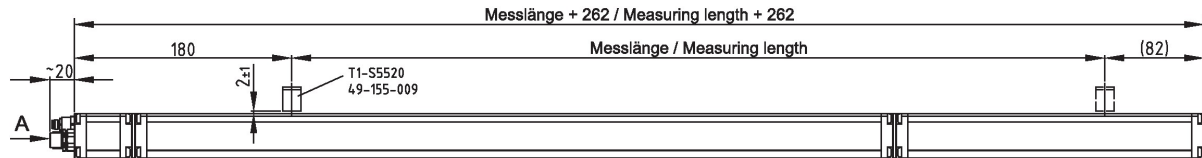
Immunity to disturbance	DIN EN 61000-6-2
Transient emissions	DIN EN 61000-6-3
Working temperature	
- Standard	0...+70 °C
- Optional	-20...+70 °C;
Storage temperature, dry	-30...+85 °C
Relative humidity	98 %, non condensing
Protection class	
- Standard	IP65
Stray magnetic field	< 3 mT
Measuring reference	Measuring plane

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Dimensional drawing



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Suggested products

LMC_55*MASTER CO
R 0.005mm 2x5pinM12 1x4pinM8

326M-00002

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