

Very compact and simple low-cost type
 Housing of extruded aluminium sheath
 Flexible stainless steel cable Ø 0,8 mm
 Strong spring mechanics
 Precision cable drum



Absolut Weggeber PLA 200

Linear Motion Transducer with 30.000 mm, 40.000 mm and 50.000 mm range, with Standard Absolute Encoder

Used encoder

Used encoder

- Absolut Encoder EAM 57 / EAMS 57 SSI
- Absolut Encoder EAM 58 Interbus
- Absolut Encoder EAM 58 Profibus
- Absolut Encoder EAM 58 CANopen® / Device Net
- Absolut Encoder EAM 58 / EAMS 58 Ethernet Powerlink

Type explanation

PLA 200-500-100/EAM57-25B-30-D-SC12

Measuring range	300 = 30.000 400 = 40.000 500 = 50.000
Number of turns of the encoder shaft	Messlänge in mm / 500 mm
Encoder type	Absolute
Number of bits	24 = 12 bits x 4096 turn 25 = 13 bits x 4096 turn 28 = 16 bits x 4096 turn
Supply voltage	30 = 10 .. 30 VDC
Interface	IBS = Interbus PB = Profibus CO = CANopen® DN = Device Net PL = ETHERNET Powerlink
Output driver	D-SSI DI
Position of connection	R S
Connector	C12 = 12 pins M23

Technical data

Mechanical data

Acceleration of cable	? 20 ms ⁻²
Side movement of cable	? 3°
Weight	? 10 kg (PLA200-300-60)
	? 11 kg (PLA200-400-80)
	? 12 kg (PLA200-500-100)

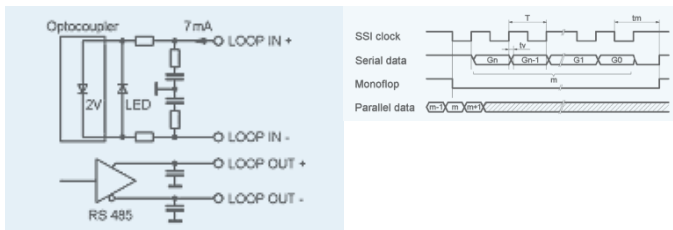
Environmental conditions

Vibration	100 ms ⁻² (10 ... 1000 Hz)
Shock	200 ms ⁻² (12 ms)
Operating temperature	0 ... +70°C
Storage temperature	-40 ... +80°C
Atmospheric humidity	< 95% r.h.
Protection class	IP 65 (Encoder)
	IP 40 (Mechanic of Linear Motion Transducer)

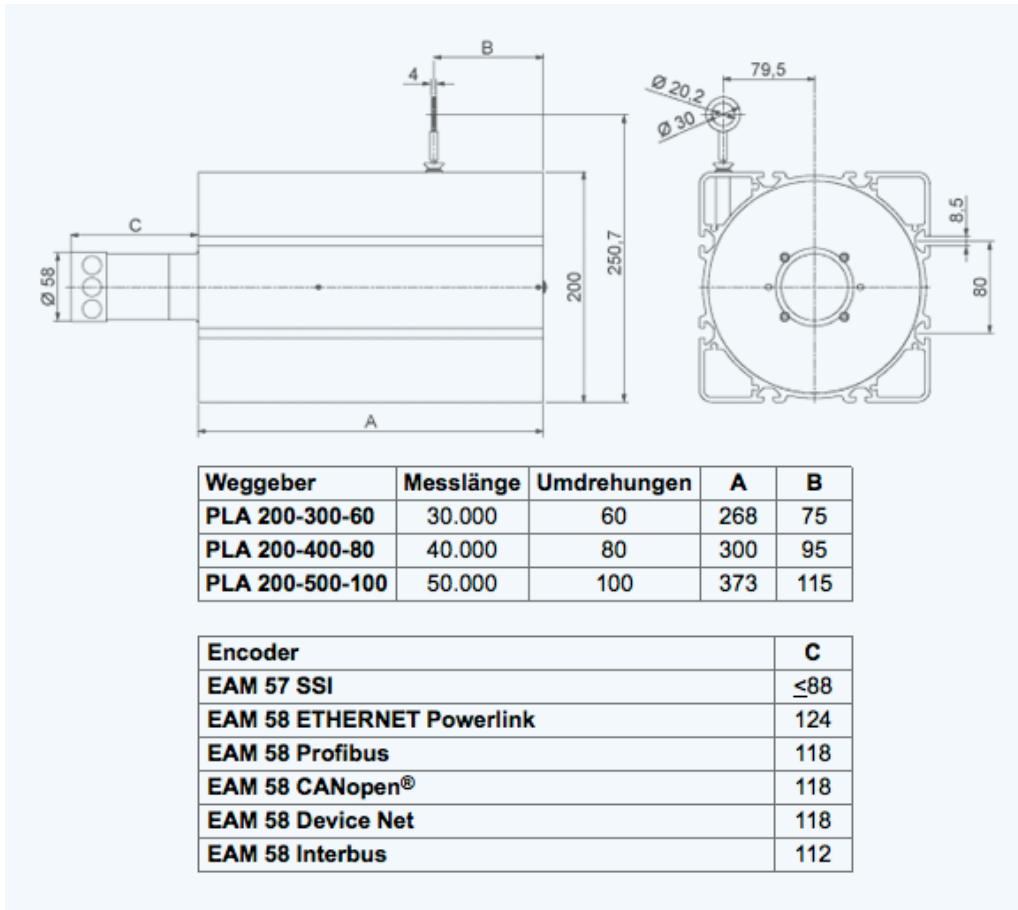
Electrical data

Scanning type	Optical, without contact
Transmitter, infrared	LED
Receiver	Photo-Array
Scanning frequency LSB	800 kHz
Supply voltage	V _{cc} = 10...30 VDC
Power consumption	? 180 mA (V _{cc} = 24 V)

Channel schematic



Outline drawing



Version ZE 620-611 · Subject to change

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