

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 <sup>-2</sup>
Side movement of cable	? 3°
Weight	? 10 kg (PLA200-300-60) ? 11 kg (PLA200-400-80) ? 12 kg (PLA200-500-100)

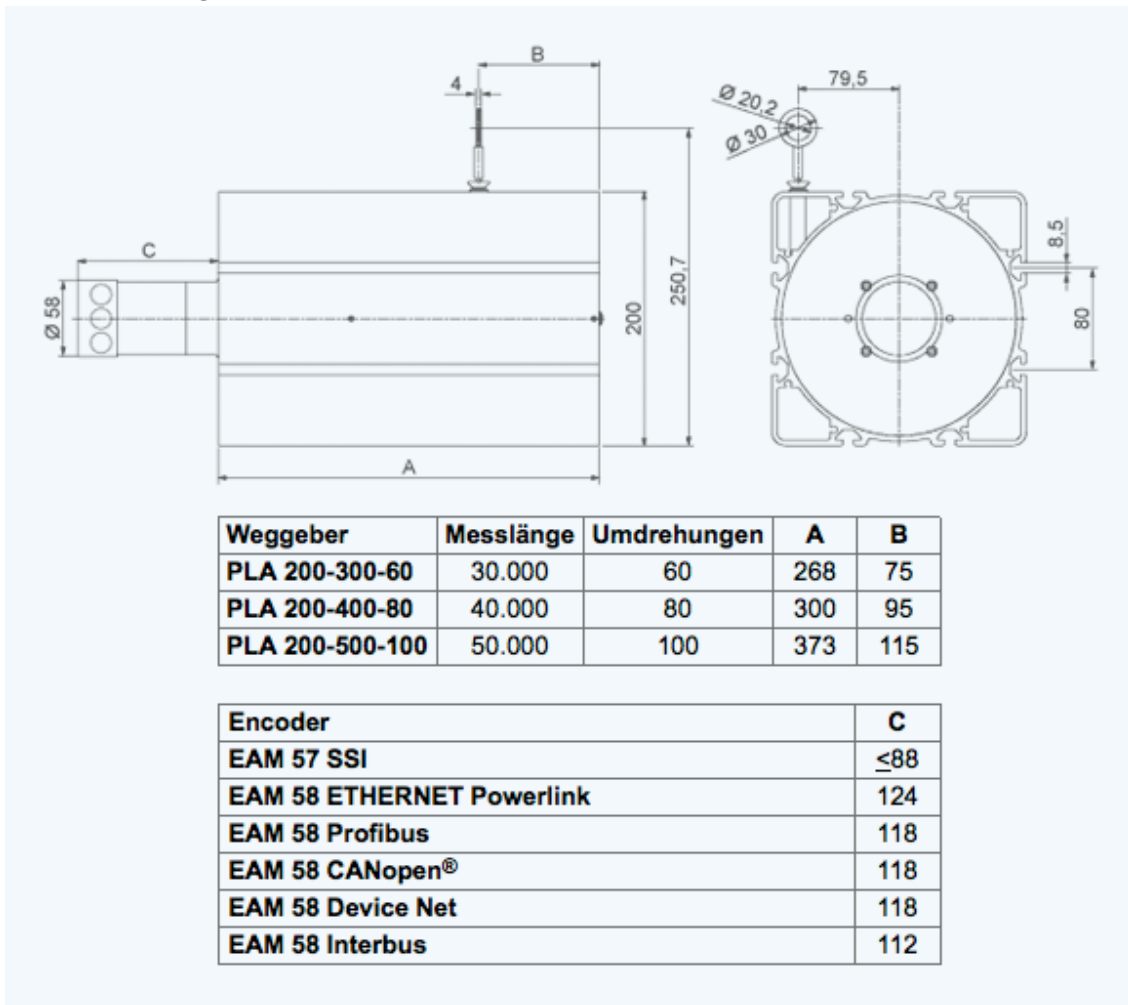
### Environmental conditions

Vibration	100 ms <sup>-2</sup> (10 ... 1000 Hz)
Shock	200 ms <sup>-2</sup> (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 <sub>cc</sub> = 10...30 VDC
Power consumption	? 180 mA (V <sub>cc</sub> = 24 V)

## Outline drawing



Version ZE 620-611 · Subject to change

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