



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	$\leq 20 \text{ ms}^{-2}$
Side movement of cable	$\leq 3^\circ$
Weight	$\approx 10 \text{ kg}$ (PLA200-300-60)
	$\approx 11 \text{ kg}$ (PLA200-400-80)
	$\approx 12 \text{ kg}$ (PLA200-500-100)

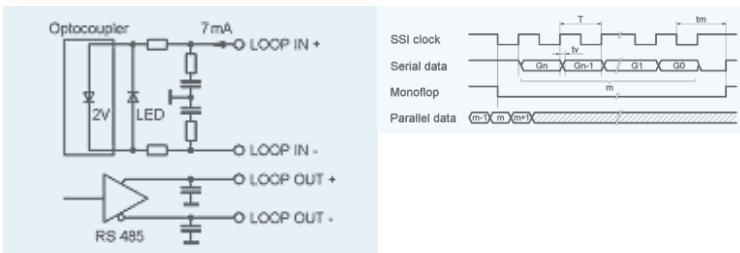
### Environmental conditions

Vibration	$100 \text{ ms}^{-2}$ (10 ... 1000 Hz)
Shock	$200 \text{ ms}^{-2}$ (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)

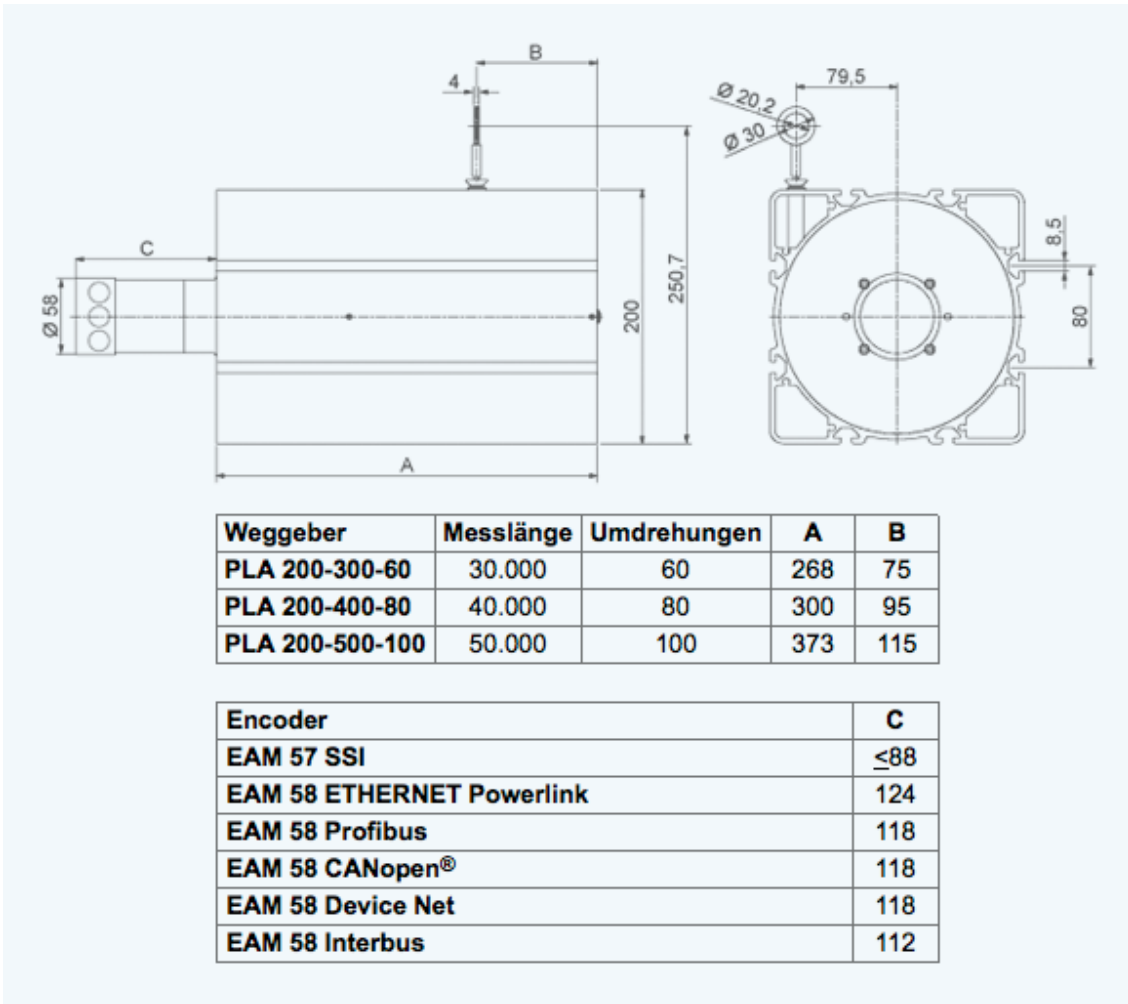
### Electrical data

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

## Channel schematic



## Outline drawing



Version ZE 620-611 · Subject to change

INDUcoder® · INDUcoder Messtechnik GmbH, Kaiserstraße 316, 47178 Duisburg, Deutschland  
 Tel: (0203) 57047-0, Fax: (0203) 57047-20, E-Mail: [info@inducoder.de](mailto:info@inducoder.de), Internet: [www.inducoder.de](http://www.inducoder.de)