



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) |

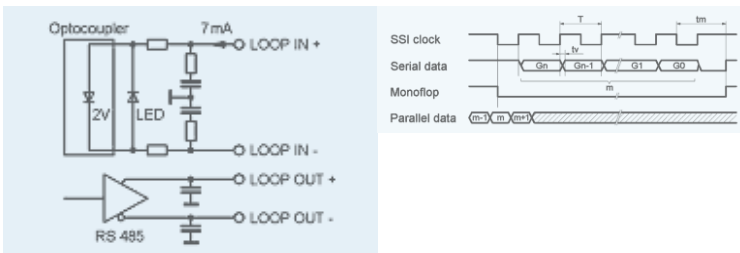
Environmental conditions

| | |
|-----------------------|--|
| Vibration | 100 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) |

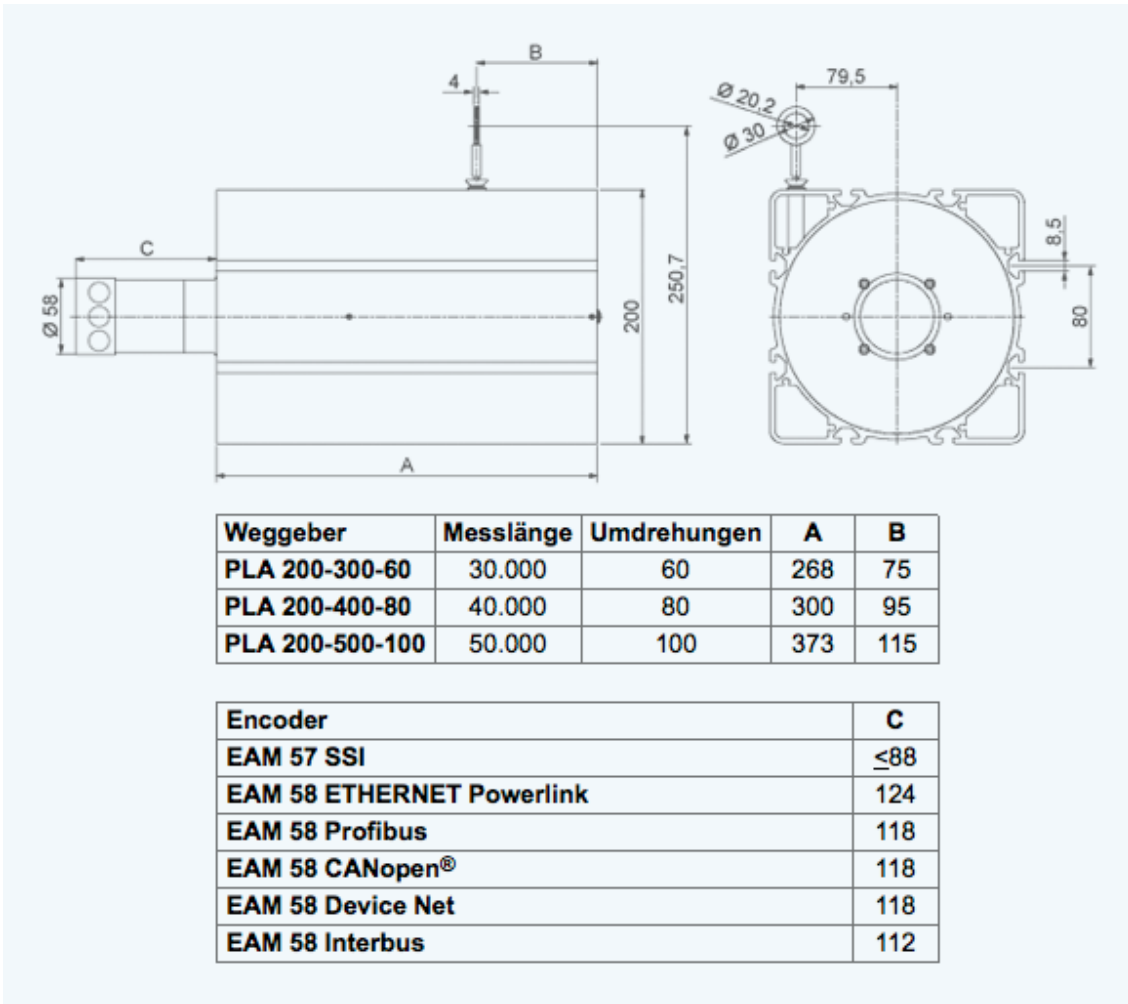
Electrical data

| | |
|------------------------|------------------------------------|
| Scanning type | Optical, without contact |
| Transmitter, infrared | LED |
| Receiver | Photo-Array |
| Scanning frequency LSB | 800 kHz |
| Supply voltage | 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, Internet: www.inducoder.de