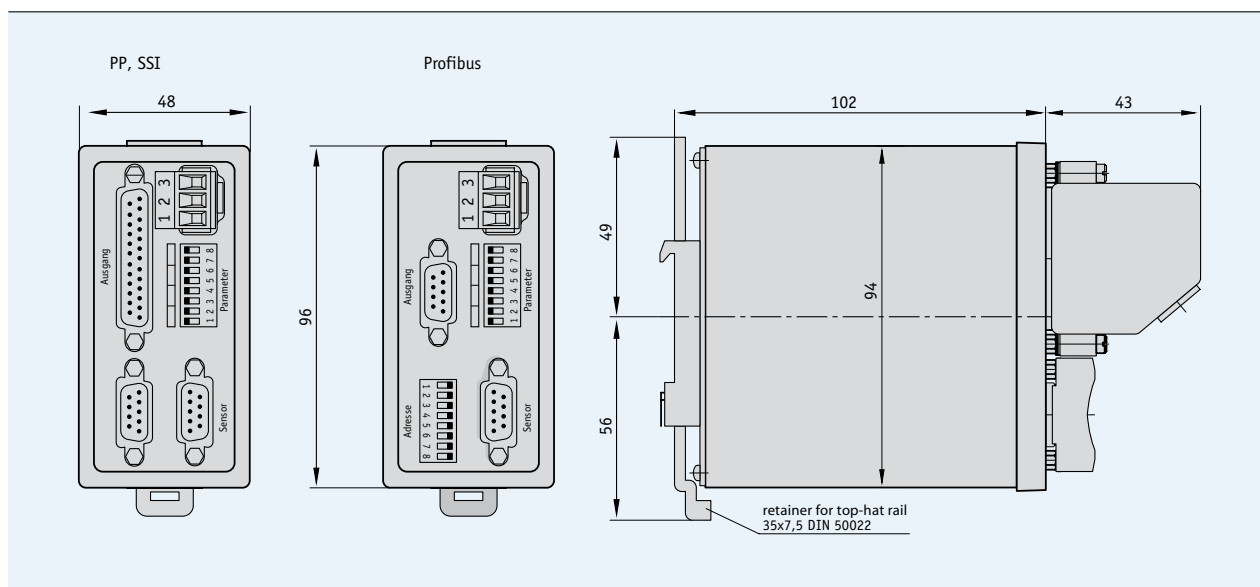


Profile

- Max. resolution 10 µm
- Repeat accuracy 0.01 mm
- SSI, PP parallel, Profibus output circuits
- RS232, RS485 interface options
- Parameters adjustable via DIP switches
- External bus connections can be established (e.g., CAN, Inter-Bus-S ...)



5.2



Mechanical data

| Feature | Technical data | Additional information |
|-----------------------|---|---------------------------------------|
| System accuracy | $\pm(0.05 + 0.03 \times L)$ mm, L in m | at $T_U = 20$ °C |
| Repeat accuracy | 0.01 mm | |
| Housing | aluminum | snap module for top-hat rail mounting |
| Electrical connection | D-SUB 9-pin for sensor connection D-SUB 9-pin for Profibus connection D-SUB 25-pin for PP/SSI | |
| Supply connection | 3-pin terminal strip | |
| Protection category | IP 20 according to DIN 40050 | |
| Operating temperature | 0 ... +60 °C | |
| Storage temperature | -20 ... +80 °C | |
| Weight | approx. 350 g | |

Electrical data

| Feature | Technical data | Additional information |
|-------------------------------|--|---------------------------|
| Operating voltage | 24 V DC ±20 % | |
| Power input | <5 VA | |
| Resolution | 0.01, 0.1, 1, 10 mm | inch 0.001, 0.01, 0.01, 1 |
| Interfaces | RS232 with standard protocol RS485 with standard protocol | |
| Output circuit | PP parallel/SSI/Profibus | |
| Interference protection class | 3 | according to ICE801 |
| SSI clock rate | 62.5 – 500 kHz | |
| Monoflop time | 16 µm | |
| Cycle time | <1 ms | |

Pin assignment

SSI

| Signal | PIN |
|-------------|------|
| SSI-clock + | 1 |
| SSI-clock - | 2 |
| SSI-data + | 3 |
| SSI-data - | 4 |
| GND | 5 |
| N.C. | 6–25 |

PP, parallel

| Signal | PIN |
|--------|------------|
| D0 | 1 |
| D1 | 2 |
| ⋮ | ⋮ |
| D18 | 19 |
| D19 | 20 |
| N.C. | 21, 22, 23 |
| GND | 24, 25 |

Power supply

| Terminal | PIN |
|----------|-----|
| +24 V DC | 1 |
| 0 V | 2 |
| PE | 3 |

Interfaces

| RS232 | RS485 | PIN |
|-------|-------|------------------|
| RXD | DÜA | 3 |
| TXD | GND | 5 |
| GND | DÜB | 8 |
| N.C. | N.C. | 1, 2, 4, 6, 7, 9 |

5.2

Order

Order table

| Feature | Order data | Specifications | Additional information |
|------------|------------|------------------------------|------------------------|
| Output | PP | parallel | |
| | SSI | synchronous serial interface | |
| | PB | Profibus | |
| Interfaces | XX/XX | without | |
| | S1/00 | RS232 with standard protocol | |
| | S3/00 | RS485 with standard protocol | |

Order code

AEA - A - 4 - B - MSA

Scope of delivery: AEA, User information,
D-SUB connector 25-pin, D-SUB bush 9-pin

Additional information:

Short Description, Technical Details
Product Overview

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