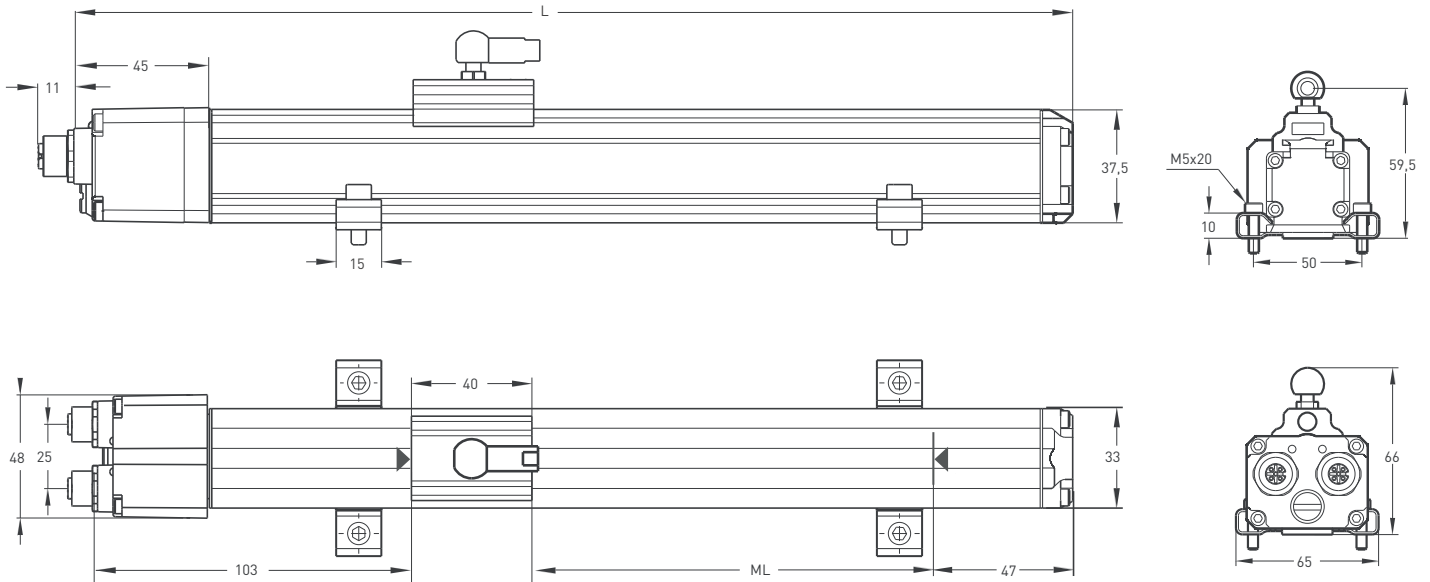




- Measuring range 100 - 5000 mm
- Modbus protocol
- 24 VDC power supply

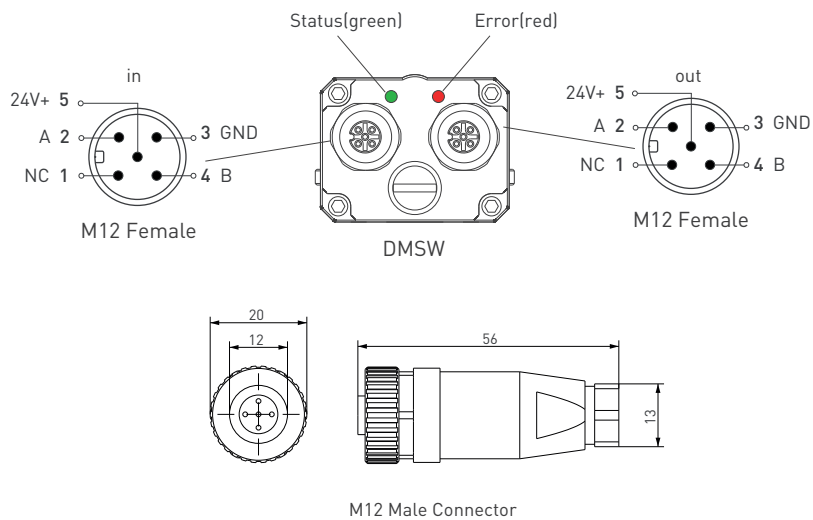
| Technical Specifications | |
|-----------------------------|--|
| Measurement stroke | 100 - 5000 mm |
| Resolution | 25µm (100mm-400mm), 50µm (450mm-3000mm), 100µm (4000mm-5000mm) |
| Repeatability | 100 µm |
| Output | Modbus |
| Power supply | 24 VDC ±10% |
| Displacement speed | max. < 5 m/s |
| Max. consumption | <100 mA (depending on stroke length) |
| Linearity | Up to ±0,05% full scale (min.100 µm) |
| Reverse polarity protection | Up to -30 VDC |
| Overvoltage protection | Up to +30 VDC |
| Update time | 10 ms (at 115200 bit/s) |
| Interface | RS422 / RS485 Modbus |
| Baud rate | Max. 115200 bit/s |
| Diagnostic LEDs | Green led : Power on, BUS communication active Red led : Error, Stop mode |
| Protection level | IP 65 |
| Operating temperature | -10°C ... +70°C |
| Storage temperature | -30°C ... +90°C |

Mechanical Specifications

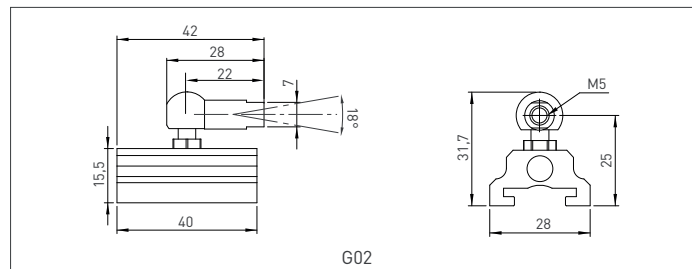


| DMSW (mm) | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 750 | 800 | 850 | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1750 | 2000 | 2250 | 2500 | 3000 | 4000 | 5000 |
|-----------------------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| ML (Measuring Length) | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 750 | 800 | 890 | 900 | 1000 | 1100 | 1200 | 1340 | 1400 | 1500 | 1750 | 2000 | 2250 | 2500 | 3000 | 4000 | 5000 |
| L (Total Length) | 327 | 377 | 427 | 477 | 527 | 577 | 627 | 677 | 727 | 777 | 827 | 877 | 927 | 977 | 1027 | 1077 | 1127 | 1177 | 1227 | 1277 | 1327 | 1377 | 1427 | 1477 | 2272 | 2522 | 2772 | 3302 | 4342 | 5342 |
| Dead Zone Calculation | 103/47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Connection



Cursor



Ordering Procedure

| Model | Measurement stroke | Protocol | Baud rate | Termination | Cursor | Connecting brackets | Dead zone |
|-------|--------------------|------------|---|---------------------|-----------------------------------|---------------------|--|
| DMSW | 150 | Modbus | 04 | 150 | G02 | BR02 | 103/47 |
| DMSW | 100 - 5000 mm | MDB:Modbus | 01:9600 bits/s 02:19200 bits/s 03:38400 bits/s 04:57600 bits/s 05:115200 bits/s | 150: off 151: on | 1G02: 1 cursor 2G02: 2 cursors | BR01 BR02 | ≤ 2000 mm 103/47 > 2000-3000 mm 185/47 > 3000-4000 mm 215/47 > 4000-5000 mm 255/47 |