

ROTAMAG

Magnetic absolute encoders

series

MS36 • MSC36



MS36 • MSC36



www.lika.biz
• Data-sheet
• User Manual

ENVIRONMENTAL SPECIFICATIONS

| | |
|------------------------------|---------------------------------|
| Schock: | 100 g, 6 ms (MIL STD 202F) |
| Vibrations: | 10 g, 5-2000 Hz (MIL STD 202F) |
| Operating temperature range: | -20°C +85°C (-4°F +185°F) |
| Storage temperature range: | -20°C +85°C (-4°F +185°F) |
| | (98% R.H. without condensation) |
| Protection: | IP65 |
| Option: | • Protection IP67 |

MECHANICAL SPECIFICATIONS

| | |
|-----------------------------------|---------------------------|
| Dimensions: | see drawing |
| Shaft: | Ø 6 mm |
| Shaft loading (axial and radial): | 20 N max. |
| Shaft rotational speed: | 12000 rpm max. |
| Starting torque at 20°C: | ≤ 0,3 Ncm |
| Moment of inertia: | ~ 20 gcm ² |
| Bearings life: | 10 ⁹ rev. min. |
| Weight: | ~ 0,1 Kg |
| Electrical connections: | Cable 1 m. (3.3 ft) |
| Accuracy: | ± 1° |

ELECTRICAL SPECIFICATIONS

| | |
|-------------------------------|---|
| Output codes: | Binary |
| Power supply: | +10Vdc +30Vdc |
| Output circuit: | SSI, 13 bit |
| Resolution: | 8192 counts/rev. |
| Output current (per channel): | 20 mA max. |
| Output frequency: | 2 MHz max. |
| Power consumption: | 65 mA max. |
| Protection: | protected against inversion of polarity |

MATERIALS

| | |
|-----------|-------------------------------|
| Flange: | non corroding |
| Housing: | non corroding |
| Bearings: | ABEC 5 |
| Shaft: | stainless steel, non magnetic |

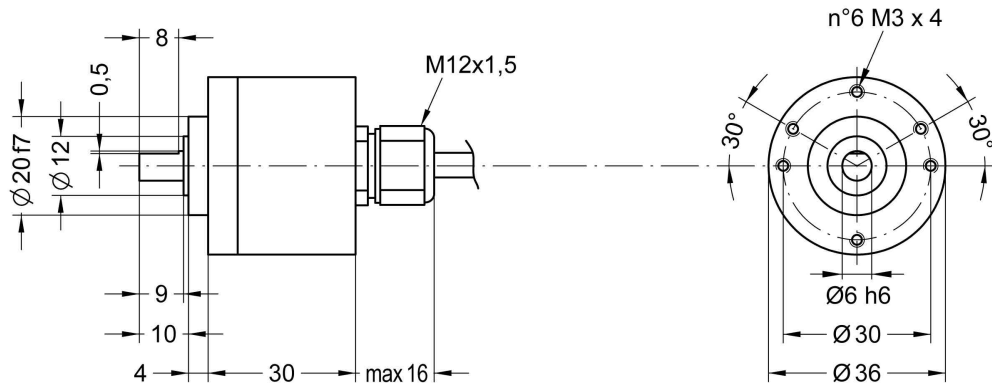
ELECTRICAL CONNECTIONS

LIKA cable 8 x 0,25 mm²

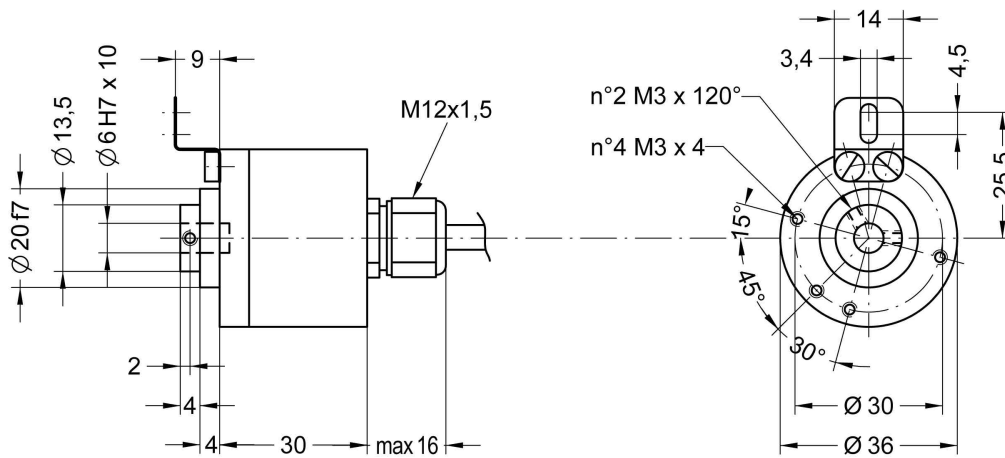
| | |
|--------|------------|
| Red | +Vdc |
| Black | GND |
| Yellow | Clock in + |
| Blue | Clock in - |
| Green | Data out + |
| Orange | Data out - |
| Grey | n.c. |
| White | n.c. |

ACCESSORIES

| | |
|----------|--------------------|
| PAN/PGF: | Flexible couplings |
|----------|--------------------|



MS36



MSC36

ORDERING CODE

ADDITIONAL CODE (indicate only if necessary)

| | | | |
|--------------------|--------|---------------------------------|---------------------------------|
| XXXXX | XX / X | X - X | - X X |
| SERIES | | | |
| MS36 - MSC36 | | | |
| RESOLUTIONS | | SHAFT DIAMETER | Cable length on request: |
| 8192 counts/rev 13 | | 6 6 mm | Lx Ex.: L4 = 4 meters (13.2 ft) |
| | | | L7 = 7 meters (23.0 ft) |
| OUTPUT CODE | | OUTPUT CIRCUIT | |
| Binary B | | R SSI serial output tree format | J IP67 protection |