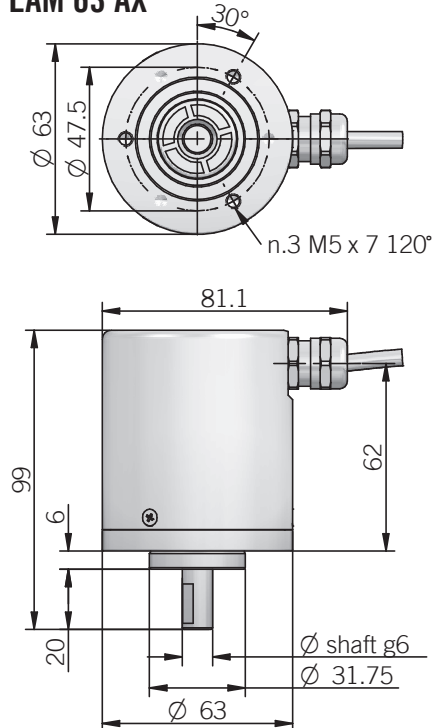
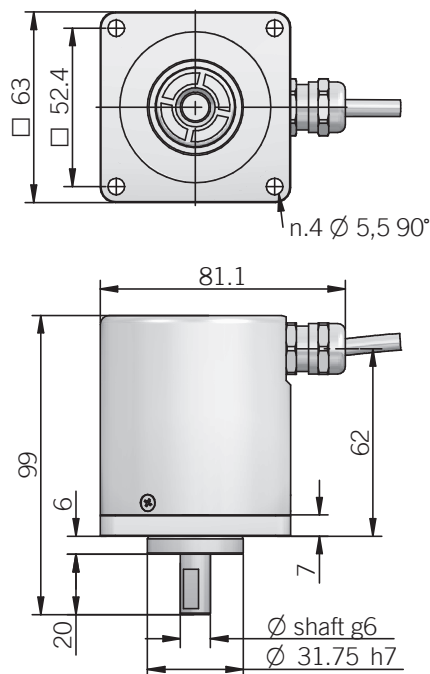


EAM 63 AX



EAM 63 DX



ELECTRICAL SPECIFICATIONS

| | |
|---|---|
| Multiturn resolution | from 2 to 16384 turns |
| Singleturn resolution | from 2 to 8192 ppr |
| Power supply | 8/28 = 7,6 ... 29,4 V DC |
| Current consumption without load | 100 mA |
| Output type | RS-422 |
| Auxiliary inputs (U/D) | active high (+Vdc) <i>connect to 0V if not used</i> |
| Clock frequency | 100 kHz ... 1 MHz |
| SSI monostable time (Tm) | 18 μ s |
| SSI pause time (Tp) | > 35 μ s |
| Accuracy | $\pm 1/2$ LSB |
| SSI frame | Tree format (MSB ... LSB) up to 12 bit multiturn = lenght 25 bit (12MT + 13ST) 13 to 14 bit multiturn = lenght 27 bit (14MT + 13ST) |
| Counting direction | decreasing clockwise (shaft view) |
| Start-up time | 150 ms |
| Electromagnetic compatibility | IEC 61000-6-2 IEC 61000-6-4 |

MECHANICAL SPECIFICATIONS

| | |
|---|---------------------------------------|
| Shaft diameter | $\varnothing 9,52$ (3/8") / 10 mm |
| Enclosure rating | IP 66 (IEC 60529) |
| Max rotation speed | 3000 rpm |
| Max shaft load | 100 N axial / radial |
| Shock | 50 G, 11 ms (IEC 60068-2-27) |
| Vibration | 10 G, 10 ... 2000 Hz (IEC 60068-2-6) |
| Moment of inertia | $1,5 \times 10^{-6}$ kgm ² |
| Starting torque (at +20°C / +68°F) | < 0,06 Nm |
| Body material | 1.4305 / AISI 303 stainless steel |
| Shaft material | 1.4305 / AISI 303 stainless steel |
| Housing material | 1.4305 / AISI 303 stainless steel |
| Bearings | 2 ball bearings |
| Bearings life | 10 ⁹ revolutions |
| Operating temperature | 0° ... +60°C (+32° ... +140°F) |
| Storage temperature | -15° ... +70°C (+5° ... +158°F) |
| Weight | 1000 g (35,27 oz) |

CONNECTIONS

| Function | Cable output |
|--------------|----------------|
| + Vdc | red |
| 0 Volt | black |
| data + | green |
| data - | brown |
| clock + | yellow |
| clock - | orange or pink |
| U / D | red / blue |
| --- | shield |