



DRS25-1F408192

DRS25

PRODUCT PORTFOLIO

SICK
Sensor Intelligence.



Illustration may differ



Ordering information

| Model name | Part no. |
|----------------|----------|
| DRS25-1F408192 | 7101822 |

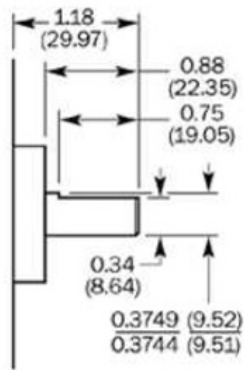
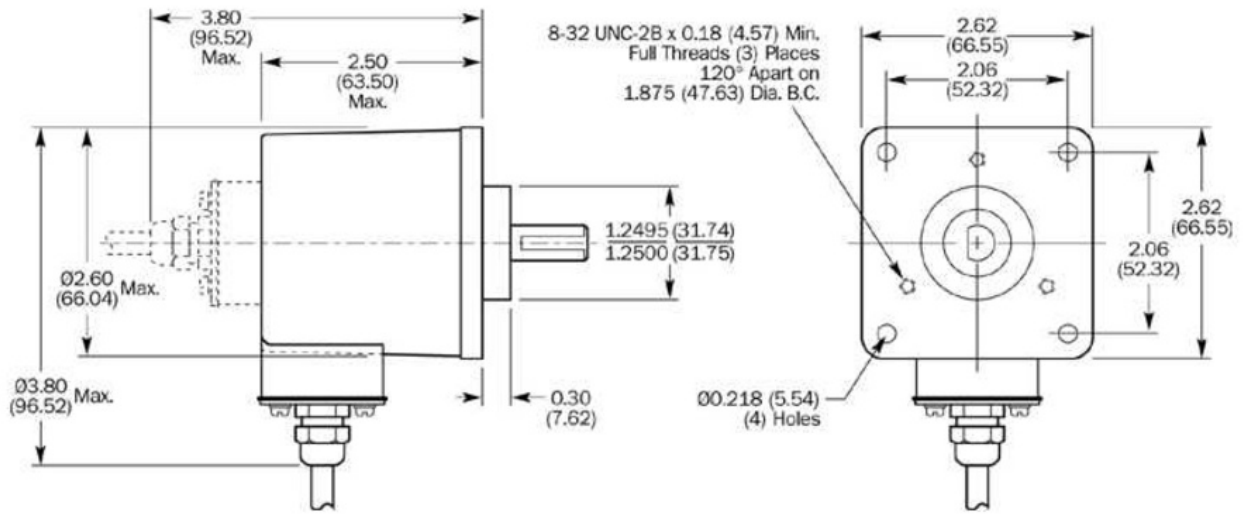
Other models and accessories → www.sick.de/DRS25

Detailed technical data

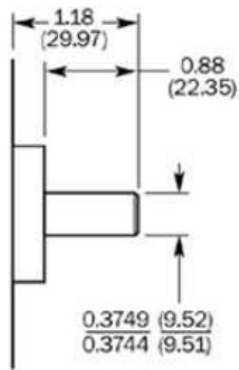
Technical specifications

| | |
|--|------------------------------------|
| Shaft / Flange design | Solid shaft, square flange |
| Shaft diameter | 3/8" |
| Number of lines | 8,192 |
| Interface | 5 V, TTL |
| Connection type | Male connector, MS, 10-pin, radial |
| Moment of inertia of the rotor | 54 gcm ² |
| Measuring step | 90° / number of steps |
| Reference signal, number | 1 |
| Reference signal, position | 90° or 180° |
| Error limits binary number of steps | 0.035° |
| Error limits non-binary number of steps | 0.046° |
| Maximum output frequency | ≤ 820 kHz, ≤ 300 Hz |
| Maximum operating speed with shaft seal | 6,000 U/min |
| Maximum operating speed without shaft seal | 10,000 U/min |
| Operating torque | 2.6 Ncm |
| Start up torque | 3.4 Ncm |
| Permissible shaft loading, axial | 20 N |
| Permissible shaft loading, radial | 20 N |
| Working temperature range | -20 °C ... +85 °C |
| Storage temperature range | -40 °C ... +100 °C |
| Permissible relative humidity | 90 % |
| Resistance to shocks | 50/11 g/ms |
| Resistance to vibration | 20/10 ... 150 g/Hz |
| Enclosure rating | IP 65 |
| Supply voltage | DC, 4.75 V, 5.25 V |
| Operation of zero-set | ≥ 100 ms |
| Initialisation time after power on | 40 s |

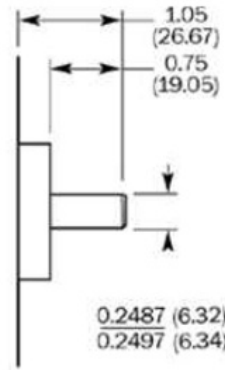
Dimensional drawing (Dimensions in mm (inch))



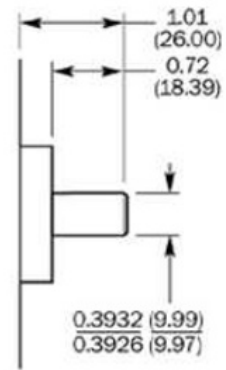
3/8" w/Flat



3/8"



1/4" mm



10 mm

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