



Incremental encoders Encoder, Incremental

DRS26-38N08192

Model Name > [DRS26-38N08192](#)
Part No. > [7126553](#)

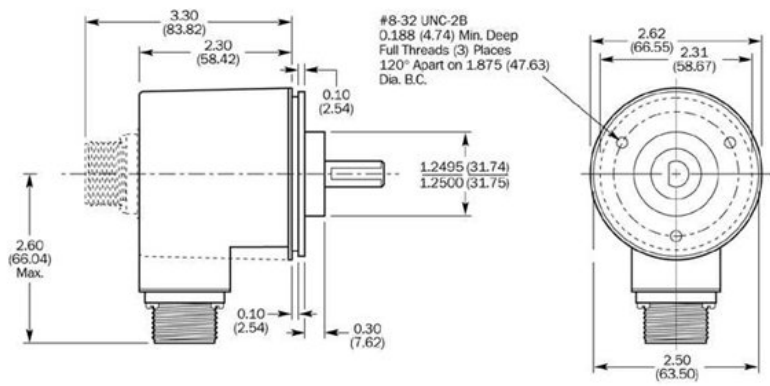
Product features

Type:	Incremental
Shaft/Flange design:	Solid shaft, servo flange
Shaft diameter:	10 mm
Interface:	5 V, TTL
Connection type:	Cable, radial, 10 m
Number of lines:	8,192
Number of lines/steps:	8,192

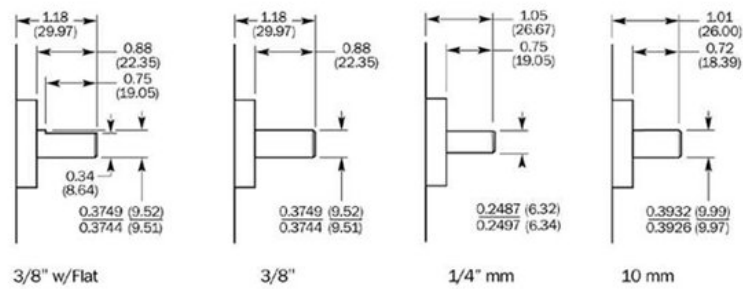
Technical data

Moment of inertia of the rotor:	54 gcm ²
Measuring step:	90°/number of steps
Ambient operation temperature, min ... max:	-20 °C ... +85 °C
Operating torque:	2.6 Ncm
Start up torque:	3.4 Ncm
Resistance to shocks:	5/11 g/ms
Resistance to vibration:	20/10 ... 150 g/Hz
Supply voltage min ... max:	DC 8 ... 24 V
Permissible relative humidity:	90 %
Voltage output:	DC
Working temperature range read head:	-20 °C ... +85 °C
Storage temperature range read head:	-40 °C 100 °C
Voltage area min ... max::	DC
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 °
Max. operating speed with shaft seal:	6,000 U/min
Max. operating speed without shaft seal:	10,000 U/min
Permissible shaft loading axial:	20 N
Permissible shaft loading radial:	20 N
Operation of zero-set:	≥ 100 ms
Initialisation time after power on:	40 s

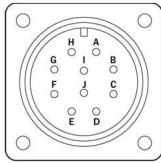
Maßzeichnung



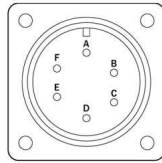
Maßzeichnung, Schaft



Anschluss-Schema



10 Pin MS3102R



6 Pin MS3102R

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