



## Incremental encoders Encoder, Incremental

DRS26-36608192

**Model Name**     > [DRS26-36608192](#)  
**Part No.**        > [7126575](#)

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#### Product features

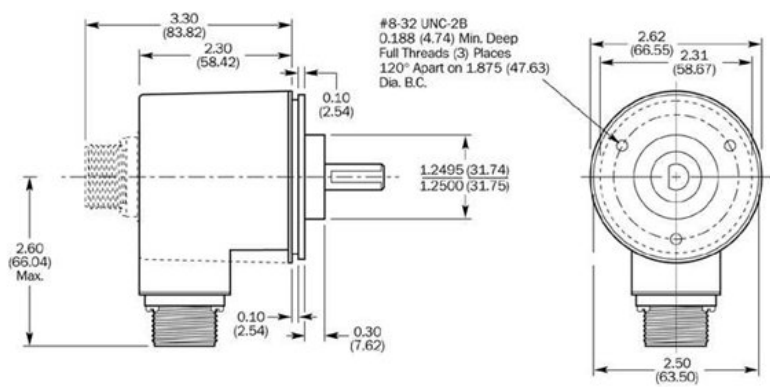
|                        |                              |
|------------------------|------------------------------|
| Type:                  | Incremental                  |
| Shaft/Flange design:   | Solid shaft, servo flange    |
| Shaft diameter:        | 3/8"                         |
| Interface:             | 5 V, TTL                     |
| Connection type:       | Connector, MS, 6-pin, radial |
| Number of lines:       | 8,192                        |
| Number of lines/steps: | 8,192                        |

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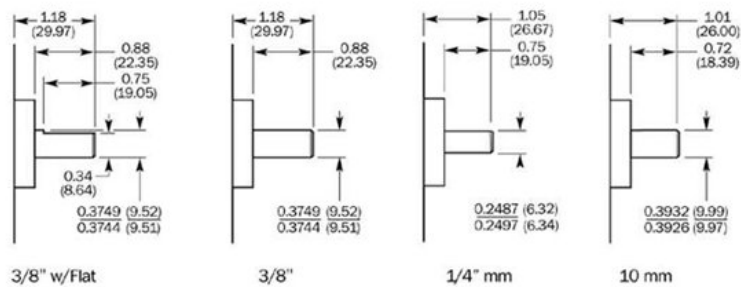
#### Technical data

|                                             |                     |
|---------------------------------------------|---------------------|
| Moment of inertia of the rotor:             | 54 gcm <sup>2</sup> |
| 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

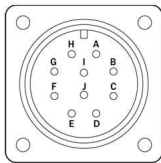


Maßzeichnung, Schaft

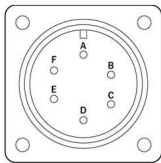


**Anschluss-Schema**

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10 Pin MS3102R



6 Pin MS3102R

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