



Absolute encoders Encoder, Rotary

ARS20-26432768

Model Name > [ARS20-26432768](#)
Part No. > [7101953](#)

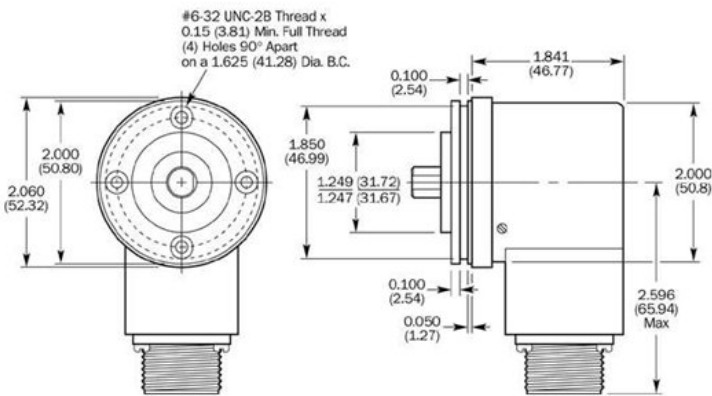
Product features

Type:	Rotary
Shaft/Flange design:	Solid shaft, servo flange
Shaft diameter:	3/8 "
Interface:	5 ... 26 V, Open Collector
Interface features::	Gray
Connection type:	Connector, MS, 23-pin, radial
Number of steps:	32,768
Number of lines/steps:	32,768

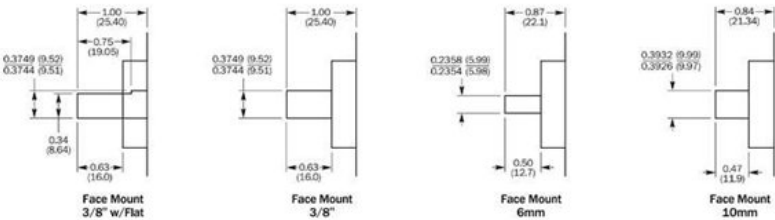
Technical data

Moment of inertia of the rotor:	54 gcm ²
Measuring step:	360°/number of steps
Repeat accuracy:	0.005°
Error limits binary number of steps:	0.035 °
Error limits non-binary number of steps:	0.046 °
Measured value backlash:	0.005 °
Response threshold:	0.003 °
Ambient operation temperature, min ... max:	-20 °C ... +85 °C
Max. operating speed with shaft seal:	6,000 U/min
Max. operating speed without shaft seal:	10,000 U/min
Operating torque:	2.6 Ncm
Start up torque:	3.4 Ncm
Permissible shaft loading axial:	10 N
Permissible shaft loading radial:	20 N
Resistance to shocks:	50/11 g/ms
Resistance to vibration:	20/10 ... 150 g/Hz
Enclosure rating:	IP 65
Supply current:	90 mA
Operation of zero-set:	≥ 100 ms
Initialisation time after power on:	40
Permissible relative humidity:	90 %
Covered reading field:	0.003 °
Working temperature range read head:	-20 °C ... +85 °C
Storage temperature range read head:	-40 °C 100 °C
Supply voltage::	90 mA

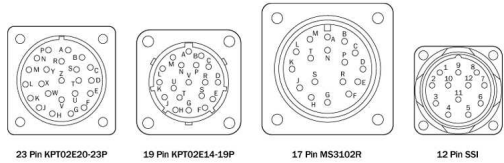
Maßzeichnung



Maßzeichnung, Schaft



Anschluss-Schema



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