ARS20-FF408192

ARS20

PRODUCT PORTFOLIO

SICK
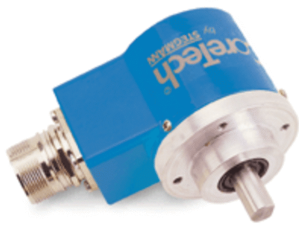Sensor Intelligence.

Ordering information

Type	Part no.
ARS20-FF408192	7101944

Other models and accessories ➜ www.sick.com/ARS20

Illustration may differ

Detailed technical data

Performance

Number of steps per revolution	8.192
Max. resolution (singleturn, multiturn)	8.192
Error limits G	35°, 46° (binary number of steps, non-binary number of steps) [1]

[1] In accordance with DIN ISO 1319-1, position of the upper and lower error limit depends on the installation situation, specified value refers to a symmetrical position, i.e. deviation in upper and lower direction is the same.

Interfaces

Initialization time	40 s

Electrical data

Connection type	Male connector, radial

Mechanical data

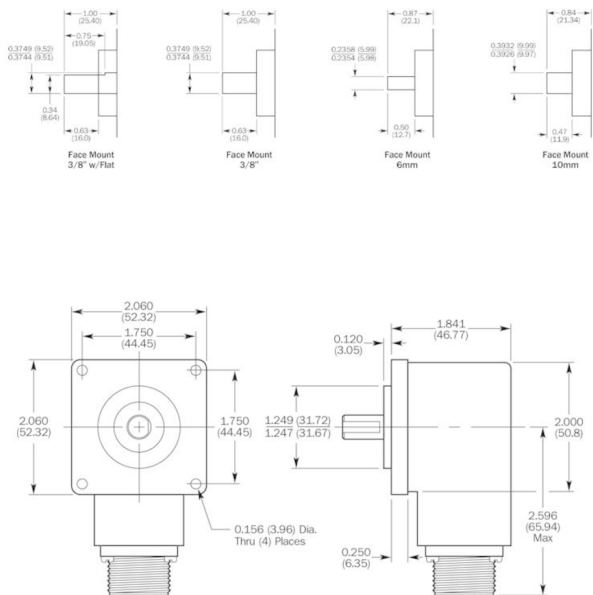|	
Mechanical version	Solid shaft
Shaft diameter	3/8″
Start up torque	3.4 Ncm
Operating torque	2.6 Ncm
Permissible Load capacity of shaft	20 N / axial 10 N / radial
Moment of inertia of the rotor	54 gcm²
Operating speed	6 min⁻¹ with shaft seal 1 min⁻¹ without shaft seal

Ambient data

Enclosure rating	IP65
Permissible relative humidity	90 %
Operating temperature range	–20 °C ... +85 °C
Storage temperature range	–40 °C ... +100 °C
Resistance to shocks	50 g, 11 ms
Resistance to vibration	20 g, 10 Hz ... 150 Hz

Classifications

ECl@ss 5.0	27270502

ECI@ss 5.1.4	27270502
ECI@ss 6.0	27270590
ECI@ss 6.2	27270590
ECI@ss 7.0	27270502
ECI@ss 8.0	27270502
ECI@ss 8.1	27270502
ECI@ss 9.0	27270502
ETIM 5.0	EC001486
ETIM 6.0	EC001486
UNSPSC 16.0901	41112113

Dimensional drawing (Dimensions in mm (inch))

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is "Sensor Intelligence."

WORLDWIDE PRESENCE:

Contacts and other locations –**www.sick.com**

SICK AG | Waldkirch | Germany | www.sick.com

SICK
Sensor Intelligence.