ARS25-AGA08192

ARS25

ABSOLUTE ENCODERS

SICK
Sensor Intelligence.

ARS25-AGA08192 | ARS25
ABSOLUTE ENCODERS

Ordering information

Type	Part no.
ARS25-AGA08192	7101996

Other models and accessories ➜ www.sick.com/ARS25

Illustration may differ

CE

Detailed technical data

Performance

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

[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
Measured value backlash	0.005°
Response threshold	0.003°

Electrical data

Connection type	Male connector, radial
Actuation of set button	≥ 100 ms

Mechanical data

Mechanical design	Solid shaft
Shaft diameter	3/8″
Start up torque	3.4 Ncm
Operating torque	2.6 Ncm
Permissible shaft loading	20 N / axial 10 N / radial
Moment of inertia of the rotor	54 gcm²

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
eCl@ss 5.1.4	27270502
eCl@ss 6.0	27270590
eCl@ss 6.2	27270590
eCl@ss 7.0	27270502
eCl@ss 8.0	27270502
eCl@ss 8.1	27270502
eCl@ss 9.0	27270502
eCl@ss 10.0	27270502
eCl@ss 11.0	27270502
eCl@ss 12.0	27270502
ETIM 5.0	EC001486
ETIM 6.0	EC001486
ETIM 7.0	EC001486
ETIM 8.0	EC001486
UNSPSC 16.0901	41112113

Dimensional drawing (Dimensions in mm (inch))
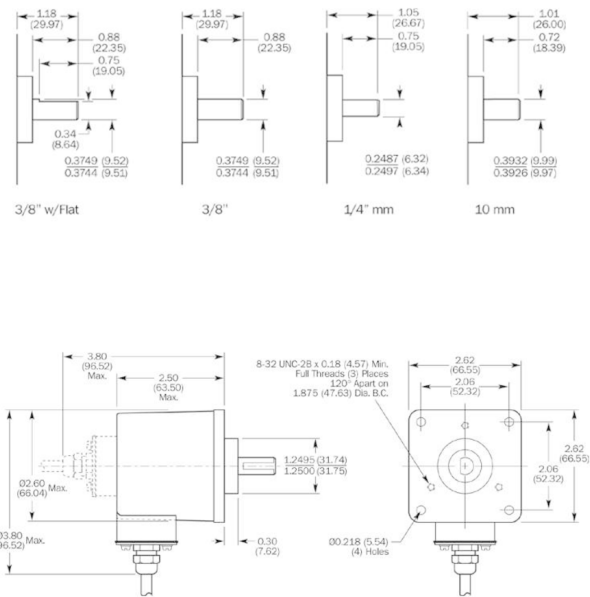
SICK AT A GLANCE

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