



Absolute encoders A3M60 PROFIBUS

A3M60B-BBP Sales Kit 01



Model Name > [A3M60B-BBP Sales Kit 01](#)
Part No. > [1052477](#)



Illustration may differ

At a glance

- Robust absolute multiturn encoder with up to 31 bits (14 bits singleturn and 17 bits multiturn)
- Face mount flange, servo flange or blind hollow shaft
- Compact design (
- Integrated PROFIBUS interface with DP V0, V1 and V2 functionality (dependent on type)
- Connection system: 3x M12 connectors
- Protection class up to IP67
- Operating temperature: -30 °C to +80 (dependent on type)

Your benefits

- High level of system reliability even in extreme environmental conditions
- Lower maintenance costs due to non-contact single and multiturn magnetic scanning
- Space-saving, cost-efficient design ensures easy integration into applications with limited space
- High level of productivity due to quick communication and position calculation
- Immune to contamination and condensation, making it ideal for harsh environmental conditions
- Very good price-performance ratio



Performance

Max. number of steps per revolution:	Programmable
Error limits:	At room temperature
Repeatability (Ta not constant):	At room temperature

Mechanical data

Mechanical interface:	Blind hollow shaft
Start up torque:	1 Ncm (+20 °C)
Operating torque:	+20 °C
Permissible movement radial static/dynamic:	± 0.3 mm, ± 0.1 mm

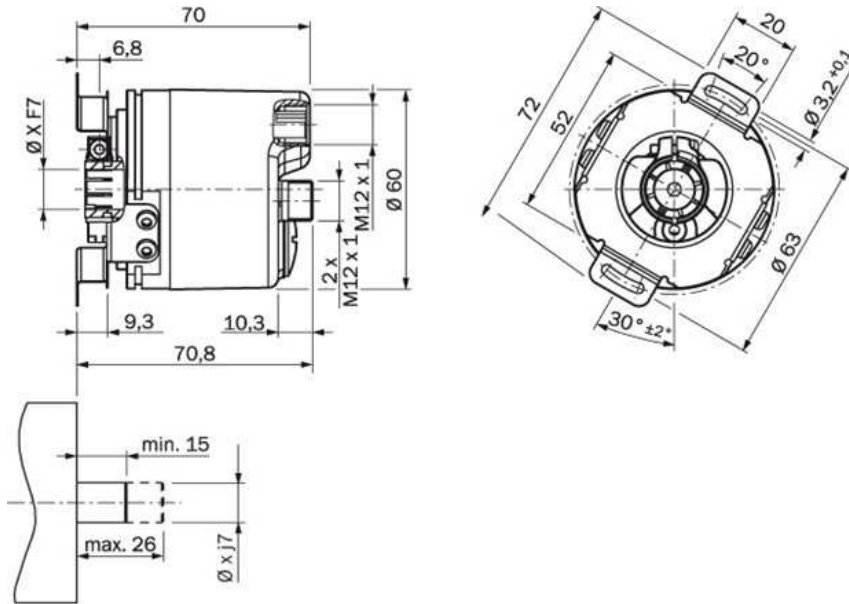
Electrical data

MTTFd: mean time to dangerous failure:	60 a (EN ISO 13849-1) ¹⁾
Reverse polarity protection:	1

¹⁾ This product is a standard product and does not constitute a safety component as defined in the Machinery Directive.

Calculation based on nominal load of components, average ambient temperature 40°C, frequency of use 8760 h/a. All electronic failures are considered hazardous. For more information, see document no. 8015532.

Dimensional drawing



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