



ENCODER A3M60A-S4PB014X17

URL:<https://www.sxplc.com/encoder-a3m60a-s4pb014x17>

Product data sheet

Mechanical data

Mechanical design Solid shaft, face mount flange

Shaft diameter 10 mm

Shaft length 19 mm

Weight 0.28 kg

Shaft material Stainless steel

Flange material Aluminum

Housing material Aluminum

Start up torque 1 Ncm (+20 °C)

Operating torque 0.8 Ncm (+20 °C)

Permissible shaft loading 80 N (radial)

40 N (axial)

Operating speed $\leq 6,000 \text{ min}^{-1}$ 1)

Bearing lifetime 3.0×10^9 revolutions

Angular acceleration $\leq 500,000 \text{ rad/s}^2$

Electrical data

Connection type Male connector, Female connector, 2x, 1x, M12, M12, 5-pin, 5-pin, axial, axial

Supply voltage 10 ... 32 V

Power consumption $\leq 1.5 \text{ W}$

Reverse polarity protection ✓

MTTFd: mean time to dangerous failure 60 years (EN ISO 13849-1) 1)

