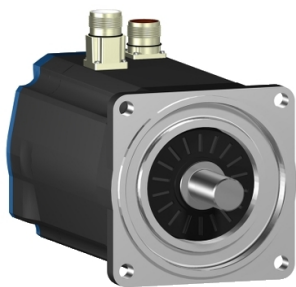


Product datasheet

Specifications



servo motor BSH, Lexium 05,
5.5N.m, 1500rpm, 100mm, keyed
shaft, Sincos multi turn, with brake,
IP50, straight

BSH1002M12F1A

! Discontinued

EAN Code: 3389118138902

Maximum permanent current	9 A
Switching frequency	4 kHz
Second shaft	Without second shaft end
Shaft diameter	19 mm
Shaft length	40 mm
Key width	30 mm
Feedback type	Multiturn SinCos Hiperface
Holding torque	9 N.m holding brake
Motor flange size	100 mm
Torque constant	2.32 N.m/A at 120 °C
Back emf constant	146 V/krpm at 120 °C
Number of motor poles	8
Rotor inertia	2.928 kg.cm²
Stator resistance	8.6 Ohm at 20 °C
Stator inductance	45.7 mH at 20 °C
Stator electrical time constant	5.31 ms at 20



Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Longer

Lifetime extension	
Repair	No