

Product datasheet

Specifications



servo motor BSH, Lexium 05, 70mm, IP50, With key

BSH0703S0049

⚠ Discontinued on: 18 Apr 2024

⚠ To be end-of-service on: 18 Apr 2026

⚠ Discontinued

Main

Device short name	BSH
Product or component type	Servo motor
Maximum mechanical speed	8000 rpm
IP degree of protection	IP50 standard
Mounting support	International standard flange

Complementary

Range compatibility	Lexium 15 Lexium 05 Lexium 32
supply voltage max	480 V
Network number of phases	Three phase
maximum continuous power	1.7 W
Maximum permanent current	29.2 A
Switching frequency	8 kHz
Second shaft	Without second shaft end
Shaft diameter	14 mm
Shaft length	30 mm
Motor flange size	70 mm
Number of motor stacks	3
Torque constant	0.44 N.m/A at 120 °C
Back emf constant	29 V/krpm at 120 °C
Number of motor poles	6
Stator resistance	0.91 Ohm at 20 °C
Stator inductance	4.4 mH at 20 °C
Stator electrical time constant	4.84 ms at 20 °C
Maximum axial force Fa	0.2 x Fr
Type of cooling	Natural convection
Centring collar diameter	60 mm
Centring collar depth	2.5 mm
Number of mounting holes	4

Mounting holes diameter	5.5 mm
Circle diameter of the mounting holes	82 mm
Network number of phases	3
Accuracy error [angular]	1.4 °
Temperature copper hot	120 °C
Temperature magnet hot	100 °C
Temperature magnet rt	20 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	11.5 cm
Package 1 Width	19 cm
Package 1 Length	39.5 cm
Package 1 Weight	4.5 kg

Contractual warranty

Warranty (in months)	18
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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