

# Product datasheet

Specifications



servo motor BSH, Lexium 05,  
70mm, IP50, Without key

BSH0701S0018

## Main

|                           |               |
|---------------------------|---------------|
| Device short name         | BSH           |
| Product or component type | Servo motor   |
| Maximum mechanical speed  | 8000 rpm      |
| IP degree of protection   | IP50 standard |

## Complementary

|                                       |                                     |
|---------------------------------------|-------------------------------------|
| Range compatibility                   | Lexium 05<br>Lexium 32<br>Lexium 15 |
| supply voltage max                    | 480 V                               |
| Network number of phases              | Three phase                         |
| maximum continuous power              | 1.06 W                              |
| Switching frequency                   | 8 kHz                               |
| Second shaft                          | Without second shaft end            |
| Shaft diameter                        | 11 mm                               |
| Shaft length                          | 23 mm                               |
| Motor flange size                     | 70 mm                               |
| Number of motor stacks                | 1                                   |
| Maximum axial force Fa                | 0.2 x Fr                            |
| Brake pull-in power                   | 10 W                                |
| 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

|                                     |           |
|-------------------------------------|-----------|
| <b>Unit Type of Package 1</b>       | PCE       |
| <b>Number of Units in Package 1</b> | 1         |
| <b>Package 1 Height</b>             | 11.600 cm |
| <b>Package 1 Width</b>              | 39.800 cm |
| <b>Package 1 Length</b>             | 19.100 cm |
| <b>Package 1 Weight</b>             | 2.552 kg  |

## **Contractual warranty**

|                             |    |
|-----------------------------|----|
| <b>Warranty (in months)</b> | 18 |
|-----------------------------|----|



## 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 Better



#### Materials and Substances

|  |  |
|--|--|
| Packaging made with recycled cardboard | Yes  |
| Packaging without single use plastic   | No   |
| SCIP Number                            | 8c11b0c9-e501-4810-83eb-05fc6605ede4   |
| REACH Regulation                       | <a href="#">Reference contains Substances of Very High Concern above the threshold</a> |

### Use Longer



#### Lifetime extension

|        |    |
|--------|----|
| Repair | No |
|--------|----|

### Use Again



#### Repack and remanufacture

|           |    |
|-----------|----|
| Take-back | No |
|-----------|----|