

# BSM series three phase synchronous motors

**Slim design with low mass moments of inertia**

**For nut runner and press applications**

- Rated torques from 0.07...2.6 Nm in five sizes
- Highest peak torques
- High maximum speeds
- Samarium-cobalt magnet systems
- Motor shaft with key



| Motor Series           | Voltage Constant<br>from - to<br>mV/rpm | Rated Values   |              |              | Max. Values  |              | Duty-Cycle<br>acc. to<br>VDE 0530 | Protection<br>class<br>acc. to<br>VDE 0530 | Design<br>acc. to<br>VDE<br>0530 | Flange-<br>Ø<br>mm |
|------------------------|---|----------------|--------------|--------------|--------------|--------------|-----------------------------------|--|----------------------------------|--------------------|
|                        |   | Voltage<br>VDC | Speed<br>rpm | Torque<br>Nm | Speed<br>rpm | Torque<br>Nm |                                   |  |                                  |                    |
| <b>BSM 1240</b><br>*1) | 2,1                                     | 48             | 5000         | 0,07         | 20000        | 0,44         | S 1                               | IP 41                                      | B 14                             | 28,5               |
| <b>BSM 1650</b>        | 2,1 - 5,3                               | 48, 100        | 5000         | 0,14         | 20000        | 0,75         | S 1                               | IP 41                                      | B 14                             | 34                 |
| <b>BSM 2275</b>        | 23 - 68                                 | 300,<br>560    | 3000         | 0,56         | 12000        | 3,2          | S 1                               | IP 54                                      | B 14                             | 42                 |
| <b>BSM 28120</b>       | 30 - 84                                 | 300,<br>560    | 3000         | 1,5          | 9000         | 10           | S 1                               | IP 54                                      | B 14                             | 55                 |
| <b>BSM 43120</b>       | 37 - 105                                | 300,<br>560    | 3000         | 2,6          | 7000         | 20           | S 1                               | IP 54                                      | B 14                             | 80                 |

\*1) Nicht für Neuanwendungen, in Kürze erfolgt Umstellung auf HLM1250  
Not for use in new projects, substitution by HLM1250 in brief