

Article No. : 1FK2210-3AB11-1MA0

Client order no. :  
Order no. :  
Offer no. :  
Remarks :

Item no. :  
Consignment no. :  
Project :

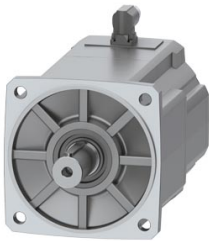


Figure similar

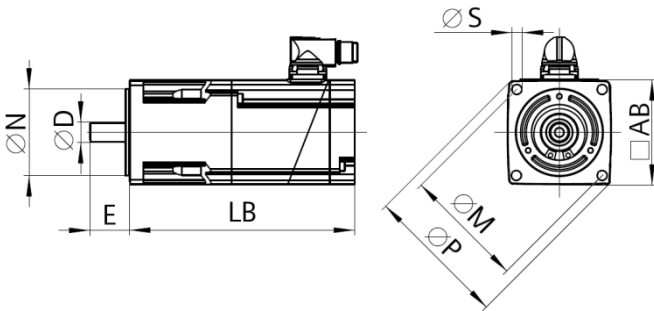
| Basic motor data        |                                                           |
|-------------------------|-----------------------------------------------------------|
| Motor type              | Permanent-magnet synchronous motor, Natural cooling, IP65 |
| Motor type              | Compact                                                   |
| Static torque           | 30.00 Nm                                                  |
| Static current          | 8.5 A                                                     |
| Maximum torque          | 90.00 Nm                                                  |
| Maximum current         | 31.5 A                                                    |
| Maximum speed           | 2,500 rpm                                                 |
| Rotor moment of inertia | 94.8000 kgcm <sup>2</sup>                                 |
| Weight                  | 25.0 kg                                                   |

| Rated data              |           |
|-------------------------|-----------|
| SINAMICS S210, 3AC 400V |           |
| Rated speed             | 1,500 rpm |
| Rated torque            | 28.50 Nm  |
| Rated current           | 8.3 A     |
| Rated power             | 4.50 kW   |

| Encoder system |                                                             |
|----------------|-------------------------------------------------------------|
| Encoder system | Encoder AM22DQC: Absolute encoder 22 bit + 12 bit multiturn |

| Motor connection |              |
|------------------|--------------|
| Connection type  | OCC for S210 |
| Connector size   | M23          |

| Mechanical data               |                                            |
|-------------------------------|--------------------------------------------|
| Design acc. to Code I         | IM B5 (IM V1, IM V3)                       |
| Vibration severity grade      | Grade A                                    |
| Shaft height                  | 100                                        |
| Flange size (AB)              | 192 mm                                     |
| Centering ring (N)            | 180 mm                                     |
| Hole circle (M)               | 215 mm                                     |
| Screw-on hole (S)             | 14.0 mm                                    |
| Overall length (LB)           | 257 mm                                     |
| Diameter of shaft (D)         | 38 mm                                      |
| Length of shaft (E)           | 80 mm                                      |
| Length of flange diagonal (P) | 244 mm                                     |
| Shaft end                     | Fitted key                                 |
| Color of the housing          | Standard (Anthracite, similar to RAL 7016) |



| Holding brake                                  |             |
|------------------------------------------------|-------------|
| Holding torque                                 | 32.00 Nm    |
| Average dynamic torque                         | 17.00 Nm    |
| Opening time                                   | 120 ms      |
| Closing time                                   | 40 ms       |
| Maximum single switching energy <sup>1)</sup>  | 6,600 J     |
| Service life, operating energy                 | 2,400,000 J |
| Holding current <sup>2)</sup>                  | 0.5 A       |
| Break-induced current for 500 ms <sup>2)</sup> | 1.4 A       |

<sup>1)</sup>Up to three consecutive emergency stops and up to 25% of all emergency stops as a Wmax high energy stop possible.  
<sup>2)</sup>Typical value for 20°C ambient temperature. At -15°C the break-induced currents can be increased by up to 30%.