

Article No. : 1FK2103-4AH11-1SA0

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



Figure similar

Item no. :
Consignment no. :
Project :

| Basic motor data | |
|-------------------------|---|
| Motor type | Permanent-magnet synchronous motor, Natural cooling, IP65 |
| Motor type | High Dynamic |
| Static torque | 1.27 Nm |
| Static current | 1.9 A |
| Maximum torque | 4.05 Nm |
| Maximum current | 7.1 A |
| Maximum speed | 8,000 rpm |
| Rotor moment of inertia | 0.1580 kgcm ² |
| Weight | 2.0 kg |

| Rated data | |
|-------------------------|-----------|
| SINAMICS S210, 3AC 400V | |
| Rated speed | 4,500 rpm |
| Rated torque | 1.01 Nm |
| Rated current | 1.6 A |
| Rated power | 0.48 kW |

| Encoder system | |
|----------------|--|
| Encoder system | Encoder AS22DQC: Absolute encoder single turn 22 bit |

| Motor connection | |
|------------------|--------------|
| Connection type | OCC for S210 |
| Connector size | M17 |

| Mechanical data | |
|-------------------------------|--|
| Design acc. to Code I | IM B5 (IM V1, IM V3) |
| Vibration severity grade | Grade A |
| Shaft height | 30 |
| Flange size (AB) | 60 mm |
| Centering ring (N) | 50 mm |
| Hole circle (M) | 70 mm |
| Screw-on hole (S) | 5.4 mm |
| Overall length (LB) | 155 mm |
| Diameter of shaft (D) | 14 mm |
| Length of shaft (E) | 30 mm |
| Length of flange diagonal (P) | 81 mm |
| Shaft end | Fitted key |
| Color of the housing | Standard (Anthracite, similar to RAL 7016) |



| Holding brake | |
|--|----------|
| Holding torque | 1.30 Nm |
| Average dynamic torque | 1.30 Nm |
| Opening time | 40 ms |
| Closing time | 30 ms |
| Maximum single switching energy ¹⁾ | 62 J |
| Service life, operating energy | 17,500 J |
| Holding current ²⁾ | 0.15 A |
| Break-induced current for 500 ms ²⁾ | 0.8 A |

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