

Article No. : 1FK2210-3AB10-1SB0

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, IP64 |
| 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 ² |
| Weight | 25.0 kg |

| Rated data | |
|---------------------------------|-----------|
| SINAMICS S120, BLM/SLM 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 AS22DQC: Absolute encoder single turn 22 bit |

| Motor connection | |
|------------------|----------------------------------|
| Connection type | Double cable connection for S120 |
| 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 | 200 ms |
| Closing time | 60 ms |
| Maximum single switching energy ¹⁾ | 6,600 J |
| Service life, operating energy | 2,400,000 J |
| Rated current ²⁾ | 0.9 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%.