SIEMENS

Data sheet for SIMOTICS S-1FT2

Article No.: 1FT2210-5AB10-1MB0

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

| Basic motor data | | |
|-------------------------|---|--|
| Motor type | Permanent-magnet synchronous motor, Natural cooling, IP64 | |
| Motor type | Compact | |
| Static torque | 50.00 Nm | |
| Static current | 15.0 A | |
| Maximum torque | 150.00 Nm | |
| Maximum current | 55.0 A | |
| Maximum speed | 2,850 rpm | |
| Rotor moment of inertia | 161.0000 kgcm² | |
| Weight | 36.0 kg | |

| | Rated data | | | | |
|---|---------------------------------|-----------|--|--|--|
| S | SINAMICS S120, BLM/SLM 3AC 400V | | | | |
| | Rated speed | 1,500 rpm | | | |
| | Rated torque | 39.00 Nm | | | |
| | Rated current | 12.1 A | | | |
| | Rated power | 6.10 kW | | | |

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

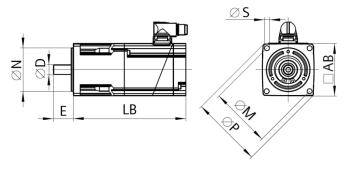
| Motor connection | |
|------------------|----------------------------------|
| Connection type | Double cable connection for S120 |
| Connector size | M23 |



Item no. : Consignment no. : Project :

| Figure sim | |
|------------|--|

| 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) | 307 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 | 55.00 Nm | |
| Average dynamic torque | 26.00 Nm | |
| Opening time | 220 ms | |
| Closing time | 80 ms | |
| Maximum single switching energy 1) | 8,700 J | |
| Service life, operating energy | 3,800,000 J | |
| Rated current ²⁾ | 1 A | |

¹⁾Up to three consecutive emergency stops and up to 25% of all emergency stops as a Wmax high energy stop possible.

²⁾Typcial value for 20°C ambient temperature. At -15°C the break-induced currents can be increased by up to 30%.