

Data sheet for SIMOTICS S-1FT2

Article No. : 1FT2210-5AC00-0CB0-Z  
K23+Q20

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



Figure similar

Item no. :  
Consignment no. :  
Project :

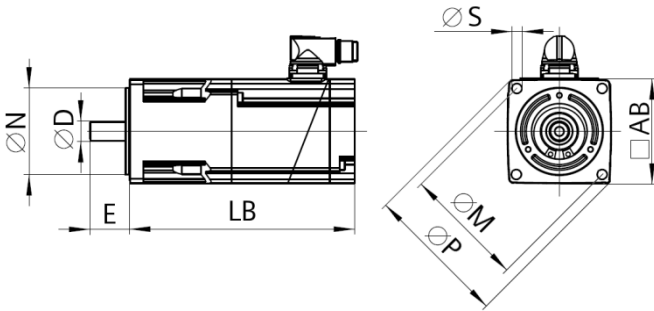
| Basic motor data        |                                                           |
|-------------------------|-----------------------------------------------------------|
| Motor type              | Permanent-magnet synchronous motor, Natural cooling, IP64 |
| Motor type              | Compact                                                   |
| Static torque           | 50.00 Nm                                                  |
| Static current          | 22.5 A                                                    |
| Maximum torque          | 150.00 Nm                                                 |
| Maximum current         | 83.0 A                                                    |
| Maximum speed           | 4,000 rpm                                                 |
| Rotor moment of inertia | 145.0000 kgcm²                                            |
| Weight                  | 32.0 kg                                                   |

| Rated data                      |           |
|---------------------------------|-----------|
| SINAMICS S120, BLM/SLM 3AC 400V |           |
| Rated speed                     | 2,000 rpm |
| Rated torque                    | 33.50 Nm  |
| Rated current                   | 15.8 A    |
| Rated power                     | 7.10 kW   |

| Encoder system |                                                             |
|----------------|-------------------------------------------------------------|
| Encoder system | Encoder AM26DQC: Absolute encoder 26 bit + 12 bit multiturn |

| Motor connection |                                  |
|------------------|----------------------------------|
| Connection type  | Double cable connection for S120 |
| Connector size   | M40                              |

| 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)           | 248 mm                                     |
| Diameter of shaft (D)         | 38 mm                                      |
| Length of shaft (E)           | 80 mm                                      |
| Length of flange diagonal (P) | 244 mm                                     |
| Shaft end                     | Plain shaft                                |
| Color of the housing          | Standard (Anthracite, similar to RAL 7016) |



| Special design |                                                    |
|----------------|----------------------------------------------------|
| K23            | Special paint finish worldwide (Paint with primer) |
| Q20            | Opening for pressure compensation                  |