

Data sheet for SIMOTICS S-1FK2

Article No. : 1FK2306-4AC00-0SB0

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              | High Inertia                                              |
| Static torque           | 12.00 Nm                                                  |
| Static current          | 4.5 A                                                     |
| Maximum torque          | 38.00 Nm                                                  |
| Maximum current         | 17.0 A                                                    |
| Maximum speed           | 3,300 rpm                                                 |
| Rotor moment of inertia | 29.8000 kgcm <sup>2</sup>                                 |
| Weight                  | 11.4 kg                                                   |

| Rated data                      |           |
|---------------------------------|-----------|
| SINAMICS S120, BLM/SLM 3AC 400V |           |
| Rated speed                     | 2,000 rpm |
| Rated torque                    | 10.50 Nm  |
| Rated current                   | 4.1 A     |
| Rated power                     | 2.20 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                  | 63                                         |
| Flange size (AB)              | 125 mm                                     |
| Centering ring (N)            | 110 mm                                     |
| Hole circle (M)               | 130 mm                                     |
| Screw-on hole (S)             | 9.0 mm                                     |
| Overall length (LB)           | 244 mm                                     |
| Diameter of shaft (D)         | 24 mm                                      |
| Length of shaft (E)           | 50 mm                                      |
| Length of flange diagonal (P) | 158 mm                                     |
| Shaft end                     | Plain shaft                                |
| Color of the housing          | Standard (Anthracite, similar to RAL 7016) |

