

Data sheet for SIMOTICS S-1FK2

Article No. : 1FK2208-3AC00-0SA0

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           | 18.00 Nm                                                  |
| Static current          | 8.4 A                                                     |
| Maximum torque          | 51.00 Nm                                                  |
| Maximum current         | 29.5 A                                                    |
| Maximum speed           | 4,100 rpm                                                 |
| Rotor moment of inertia | 29.6000 kgcm²                                             |
| Weight                  | 12.6 kg                                                   |

| Rated data              |           |
|-------------------------|-----------|
| SINAMICS S210, 3AC 400V |           |
| Rated speed             | 2,000 rpm |
| Rated torque            | 14.50 Nm  |
| Rated current           | 7.0 A     |
| Rated power             | 3.05 kW   |

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

| Motor connection |              |
|------------------|--------------|
| Connection type  | OCC for S210 |
| Connector size   | M23          |

| Mechanical data               |                                            |
|-------------------------------|--------------------------------------------|
| Design acc. to Code I         | IM B5 (IM V1, IM V3)                       |
| Vibration severity grade      | Grade A                                    |
| Shaft height                  | 80                                         |
| Flange size (AB)              | 155 mm                                     |
| Centering ring (N)            | 130 mm                                     |
| Hole circle (M)               | 165 mm                                     |
| Screw-on hole (S)             | 11.0 mm                                    |
| Overall length (LB)           | 183 mm                                     |
| Diameter of shaft (D)         | 32 mm                                      |
| Length of shaft (E)           | 58 mm                                      |
| Length of flange diagonal (P) | 200 mm                                     |
| Shaft end                     | Plain shaft                                |
| Color of the housing          | Standard (Anthracite, similar to RAL 7016) |

