

## Data sheet for SIMOTICS S-1FK2

Article No. : 1FK2104-5AF00-0MA0



Figure similar

Client order no. :  
Order no. :  
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Item no. :  
Consignment no. :  
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### Basic motor data

|                         |   |
|-------------------------|---|
| Motor type              | Permanent-magnet synchronous motor, Natural cooling, IP64 |
| Motor type              | High Dynamic  |
| Static torque           | 2.40 Nm   |
| Static current          | 2.1 A   |
| Maximum torque          | 7.50 Nm   |
| Maximum current         | 7.6 A   |
| Maximum speed           | 6,700 rpm   |
| Rotor moment of inertia | 0.5600 kgcm <sup>2</sup>                                  |
| Weight                  | 2.9 kg  |

### Rated data

SINAMICS S210, 3AC 400V

|               |           |
|---------------|-----------|
| Rated speed   | 3,000 rpm |
| Rated torque  | 2.40 Nm   |
| Rated current | 2.1 A     |
| Rated power   | 0.75 kW   |

### Encoder system

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

### Motor connection

|                    |              |
|--------------------|--------------|
| Connection type    | OCC for S210 |
| Connector size OCC | M17          |

### Mechanical data

|                               |  |
|-------------------------------|--|
| Design acc. to Code I         | IM B5 (IM V1, IM V3)                       |
| Vibration severity grade      | Grade A                                    |
| Shaft height                  | 40   |
| Flange size (AB)              | 80 mm                                      |
| Centering ring (N)            | 70 mm                                      |
| Hole circle (M)               | 90 mm                                      |
| Screw-on hole (S)             | 6.5 mm                                     |
| Overall length (LB)           | 126 mm                                     |
| Diameter of shaft (D)         | 19 mm                                      |
| Length of shaft (E)           | 40 mm                                      |
| Length of flange diagonal (P) | 105 mm                                     |
| Shaft end                     | Plain shaft                                |
| Color of the housing          | Standard (Anthracite, similar to RAL 7016) |

