

Article No. : 1FT2106-6AF11-1SA0

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, IP65 |
| Motor type              | High Dynamic                                              |
| Static torque           | 16.00 Nm                                                  |
| Static current          | 14.3 A                                                    |
| Maximum torque          | 45.50 Nm                                                  |
| Maximum current         | 49.0 A                                                    |
| Maximum speed           | 7,600 rpm                                                 |
| Rotor moment of inertia | 10.4000 kgcm <sup>2</sup>                                 |
| Weight                  | 13.4 kg                                                   |

| Rated data              |           |
|-------------------------|-----------|
| SINAMICS S210, 3AC 400V |           |
| Rated speed             | 3,000 rpm |
| Rated torque            | 10.60 Nm  |
| Rated current           | 9.7 A     |
| Rated power             | 3.30 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                  | 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)           | 283 mm                                     |
| Diameter of shaft (D)         | 24 mm                                      |
| Length of shaft (E)           | 50 mm                                      |
| Length of flange diagonal (P) | 158 mm                                     |
| Shaft end                     | Fitted key                                 |
| Color of the housing          | Standard (Anthracite, similar to RAL 7016) |



| Holding brake                                  |           |
|------------------------------------------------|-----------|
| Holding torque                                 | 16.00 Nm  |
| Average dynamic torque                         | 9.00 Nm   |
| Opening time                                   | 70 ms     |
| Closing time                                   | 35 ms     |
| Maximum single switching energy <sup>1)</sup>  | 1,065 J   |
| Service life, operating energy                 | 774,000 J |
| Holding current <sup>2)</sup>                  | 0.35 A    |
| Break-induced current for 500 ms <sup>2)</sup> | 1.1 A     |

<sup>1)</sup>Up to three consecutive emergency stops and up to 25% of all emergency stops as a Wmax high energy stop possible.  
<sup>2)</sup>Typical value for 20°C ambient temperature. At -15°C the break-induced currents can be increased by up to 30%.