

Article No. : 1FL2102-4AF00-1MC0



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

Item no. :  
Consignment no. :  
Project :

| Basic motor data        |                                    |
|-------------------------|------------------------------------|
| Motor type              | Permanent-magnet synchronous motor |
| Motor type              | Low Inertia                        |
| Static torque           | 0.32 Nm                            |
| Static current          | 0.81 A                             |
| Maximum torque          | 1.12 Nm                            |
| Maximum current         | 2.9 A                              |
| Maximum speed           | 6,500 rpm                          |
| Rotor moment of inertia | 0.0290 kgcm <sup>2</sup>           |
| Weight                  | 0.4 kg                             |

| Rated data                        |           |
|-----------------------------------|-----------|
| SINAMICS S200, 3 AC 380 ... 480 V |           |
| Rated speed                       | 3,000 rpm |
| Rated torque                      | 0.32 Nm   |
| Rated current                     | 0.8 A     |
| Rated power                       | 0.10 kW   |

| Encoder system |                                                       |
|----------------|-------------------------------------------------------|
| Encoder system | Absolute encoder 21-bit singleturn + 12-bit multiturn |

| Motor connection |                        |
|------------------|------------------------|
| Connection type  | Metal hybrid connector |

| Mechanical data               |                                              |
|-------------------------------|----------------------------------------------|
| Design acc. to Code I         | IM B5 (IM V1, IM V3)                         |
| Vibration severity grade      | Grade A                                      |
| Shaft height                  | 20                                           |
| Flange size (AB)              | 40.6 mm                                      |
| Centering ring (N)            | 30 mm                                        |
| Hole circle (M)               | 46 mm                                        |
| Screw-on hole (S)             | 4.4 mm                                       |
| Overall length (LB)           | 80.2 mm                                      |
| Diameter of shaft (D)         | 8 mm                                         |
| Length of shaft (E)           | 25 mm                                        |
| Length of flange diagonal (P) | 54 mm                                        |
| Shaft end                     | Shaft with parallel key (half-key balancing) |
| Color of the housing          | Anthracite RAL 7016                          |

