



Article No. : 1FL2104-4BG01-0MC0

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

Item no. :  
Consignment no. :  
Project :

| Basic motor data        |                                                              |
|-------------------------|--------------------------------------------------------------|
| Motor type              | Permanent-magnet synchronous motor, Natural cooling, compact |
| Motor type              | Low Inertia                                                  |
| Static torque           | 3.18 Nm                                                      |
| Static current          | 4.40 A                                                       |
| Maximum torque          | 11.20 Nm                                                     |
| Maximum current         | 16.00 A                                                      |
| Maximum speed           | 6,500 rpm                                                    |
| Rotor moment of inertia | 0.8700 kgcm <sup>2</sup>                                     |
| Weight                  | 2.40 kg                                                      |

| Rated data                          |           |
|-------------------------------------|-----------|
| SINAMICS S200, 1/3 AC 200 ... 240 V |           |
| Rated speed                         | 3,000 rpm |
| Rated torque                        | 3.18 Nm   |
| Rated current                       | 4.40 A    |
| Rated power                         | 1.00 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                  | 40                   |
| Flange size (AB)              | 81 mm                |
| Centering ring (N)            | 70 mm                |
| Hole circle (M)               | 90 mm                |
| Screw-on hole (S)             | 6.6 mm               |
| Overall length (LB)           | 112.6 mm             |
| Diameter of shaft (D)         | 19 mm                |
| Length of shaft (E)           | 40 mm                |
| Length of flange diagonal (P) | 104.9 mm             |
| Shaft end                     | Plain shaft          |
| Color of the housing          | Anthracite RAL 7016  |

