

Article No. : 1FL6022-2AF21-1LA1



Figure similar

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

Item no. :  
Consignment no. :  
Project :

| Engineering data     |                         |
|----------------------|-------------------------|
| Rated speed          | 3,000 rpm               |
| Rated torque (100 K) | 0.16 Nm                 |
| Rated current        | 1.2 A                   |
| Rated power          | 0.05 kW / 0.07 hp       |
| Max. speed           | 5,000 rpm               |
| Maximum torque       | 0.48 Nm                 |
| Max. current         | 3.6 A                   |
| Static torque        | 0.16 Nm                 |
| Moment of inertia    | 0.031 kgcm <sup>2</sup> |

| Physical constants |            |
|--------------------|------------|
| Torque constant    | 0.14 Nm/A  |
| Thermal class      | B (130 °C) |
| Net weight         | 0.50 kg    |

| Ambient conditions  |                                            |
|---------------------|--------------------------------------------|
| Ambient temperature |                                            |
| Operation           | 0 ... 40 °C                                |
| Relative humidity   |                                            |
| Max. operation      | 90 % RH maximum (no condensation at 30 °C) |

| Standards                 |         |
|---------------------------|---------|
| Compliance with standards | CE, EAC |

| Mechanical data          |                                             |
|--------------------------|---------------------------------------------|
| Motor type               | Low Inertia                                 |
| Motor type               | Permanent-magnet synchronous motor          |
| Shaft height             | 20                                          |
| Encoder system           | Absolute encoder 20 bit + 12 bit multi-turn |
| Cooling                  | Natural cooling                             |
| Shaft end                | Feather key                                 |
| Radial runout tolerance  | Class N                                     |
| Vibration severity grade | Grade A                                     |
| Degree of protection     | IP65                                        |
| Design acc. to Code I    | IM B5 (IM V1, IM V3)                        |
| Connection type          | Cable outlet                                |