



Figure similar

Article No. : 1FL6042-2AF21-1AH1

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

Item no. :  
Consignment no. :  
Project :

| Engineering data     |                         |
|----------------------|-------------------------|
| Rated speed          | 3,000 rpm               |
| Rated torque (100 K) | 2.39 Nm                 |
| Rated current        | 4.7 A                   |
| Rated power          | 0.75 kW / 1.02 hp       |
| Max. speed           | 5,000 rpm               |
| Maximum torque       | 7.20 Nm                 |
| Max. current         | 14.2 A                  |
| Static torque        | 2.39 Nm                 |
| Moment of inertia    | 1.060 kgcm <sup>2</sup> |

| Physical constants |            |
|--------------------|------------|
| Torque constant    | 0.51 Nm/A  |
| Thermal class      | B (130 °C) |
| Net weight         | 3.70 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             | 40                                         |
| Encoder system           | Incremental encoder TTL, 2500 S/R (13 bit) |
| Cooling                  | Natural cooling                            |
| Shaft end                | Plain shaft                                |
| 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                               |

| Holding brake                   |              |
|---------------------------------|--------------|
| Holding torque M <sub>4Br</sub> | 3.18 Nm      |
| Rated voltage                   | 24 V DC 10 % |
| Opening time                    | 105 ms       |
| Closing time                    | 15 ms        |
| Rated current                   | 0.35 A       |