



Figure similar

Article No. : 1FL6044-1AF61-2LA1

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        | 2.1 A             |
| Rated power          | 0.75 kW / 1.02 hp |
| Max. speed           | 4,000 rpm         |
| Maximum torque       | 7.20 Nm           |
| Max. current         | 6.3 A             |
| Static torque        | 3.50 Nm           |
| Moment of inertia    | 5.200 kgcm²       |

| Physical constants |            |
|--------------------|------------|
| Torque constant    | 1.20 Nm/A  |
| Thermal class      | B (130 °C) |
| Net weight         | 5.00 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               | High Inertia                                |
| Motor type               | Permanent-magnet synchronous motor          |
| Shaft height             | 45  |
| 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          | Angular connector (rotatable)               |