

MLFB-Ordering data 6FX2001-2SC00



Figure similar

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

Item no. :
Consignment no. :
Project :

| Electrical data | | Mechanical data | |
|--|---|---------------------------------|-----------------|
| Operating voltage Up | DC 10 ... 30 V | Shaft diameter | 10 mm |
| Max. power consumption without load | 150 mA | Shaft length | 20 mm |
| Signal level | TTL (RS 422) | Angular acceleration, max. | 100000 rad/s² |
| Resolution | 2000 S/R | Moment of inertia of rotor | 0.00000145 kgm² |
| Accuracy | 32 rad | Vibration (55...2000 Hz), max. | 300 m/s² |
| Sampling frequency, max. | 300 kHz | Friction torque (at 20°C), max. | 0.01 Nm |
| Switching time (10 ... 90 %) | <= 50 ns | Starting torque (at 20°C), max. | 0.01 Nm |
| | Rise / fall time t+/t- <= | Net weight | 0.3 kg |
| Phase relation signal A to B | 90° | Max. admissible speed | |
| Edge clearance at 300 kHz | 0.45 µs | Electrical | 9000 rpm |
| LED failure monitoring | High impedance driver | Mechanical | 12000 rpm |
| Cable length | | Load capacity | |
| To the downstream electronics, max. | 100 m | n <= 6000 rpm | |
| | | - Axial | 40 N |
| | | - Radial at shaft end | 60 N |
| Ambient temp in operation | | n > 6000 rpm | |
| Fixed installation of flange outlet or cable | | - Axial | 10 N |
| - At Up = 10V ... 30V | -40 ... 70 °C | - Radial at shaft end | 20 N |
| Flexible cable | | Shock, max. | |
| - At Up = 10V ... 30V | -10 ... 70 °C | 2 ms | 2000 m/s² |
| | | 6 ms | 1000 m/s² |
| Standards | | Degree of protection | |
| Compliance with standards | CE, cULus | Without shaft input | IP67 |
| EMC class filter | Tested according to the EMC guidelines 89/336/EEC and the rules of the EMC guidelines (generic standards) | With shaft input | IP64 |