

MLFB-Ordering data                      6FX2001-2QC00



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            |