

MLFB-Ordering data 6FX2001-2GA50



Figure similar

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Electrical data		Mechanical data	
Operating voltage Up	DC 5 V ± 10 %	Shaft diameter	6 mm
Max. power consumption without load	150 mA	Shaft length	10 mm
Signal level	TTL (RS 422)	Angular acceleration, max.	100000 rad/s²
Resolution	500 S/R	Moment of inertia of rotor	0.00000145 kgm²
Accuracy	130 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	36000 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 = 5V ± 10%	-40 ... 100 °C	- Radial at shaft end	20 N
Flexible cable		Shock, max.	
- At Up = 5V ± 10%	-10 ... 100 °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