

MLFB-Ordering data

6FX2001-5FE25



Figure similar

Client order no. : Item no.: Order no. : Consignment no. : Offer no. : Project : Remarks :

Electrical data		Mechanical data	
Operating voltage Up	DC 5 V ± 5 %	Shaft version	Solid shaft
Max. power consumption	200 mA	Shaft diameter	6 mm
Interface	EnDat	Shaft length	10 mm
Clock input	Differential line receiver according to EIA Standard RS 485	Angular acceleration, max.	100000 rad/s²
		Moment of inertia of rotor	0.00000145 kgm²
Data output	Differential line driver according to EIA Standard RS 485	Vibration (552000 Hz), max.	300 m/s²
Connection type	Flange socket, Radial	Friction torque (at 20°C)	<= 0.01 Nm
Resolution	25 bit, (8192 increments x 4096 rpms)	Starting torque (at 20°C)	<= 0.01 Nm
	25 bit, According to EnDat	Net weight	0.3 kg
Telegram	specifications	Speed max.	
Incremental track	512 S/R, 1 Vpp	With ± 1 bit accuracy	5000 rpm
Short-circuit strength	Yes	With ± 100 bit accuracy	10000 rpm
Transmission rate	100 kHz 2 MHz	Max. permissible speed (mech.)	10000 rpm
Cable length up to the subsequent electronics, max.		Load capacity	
Up to 300 kHz	150.0 m	n = 6000 rpm	
Up to 1 MHz	50.0 m	- Axial	10 N
Code type		- Radial at shaft end	20 N
Sampling	Gray	n > 6000 rpm	
Transmission	binary	- Axial	40 N
Parameterizability		- Radial at shaft end	60 N
Accuracy	± 60 " (Incremental track)	Shock, max.	
Ambient temperature		2 ms	2000 m/s ²
During operation	-40 100 °C	6 ms	1000 m/s²
Standards		Degree of protection	
Compliance with standards	CE, cULus	Without shaft input	IP67
EMC class filter	Tested to DIN EN 50081 and EN 50082	With shaft input	IP64