



Figure similar

MLFB-Ordering data

6FX2001-5HE25

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

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/s ²
Data output	Differential line driver according to EIA Standard RS 485	Moment of inertia of rotor	0.00000145 kgm ²
Connection type	Flange socket, Axial	Vibration (55...2000 Hz), max.	300 m/s ²
Resolution	25 bit, (8192 increments x 4096 rpms)	Friction torque (at 20°C)	≤ 0.01 Nm
Telegram	25 bit, According to EnDat specifications	Starting torque (at 20°C)	≤ 0.01 Nm
Incremental track	512 S/R, 1 Vpp	Net weight	0.3 kg
Short-circuit strength	Yes	Speed max.	
Transmission rate	100 kHz ... 2 MHz	With ± 1 bit accuracy	5000 rpm
Cable length up to the subsequent electronics, max.		With ± 100 bit accuracy	10000 rpm
Up to 300 kHz	150.0 m	Max. permissible speed (mech.)	10000 rpm
Up to 1 MHz	50.0 m	Load capacity	
Code type		n = 6000 rpm	
Sampling	Gray	- Axial	10 N
Transmission	binary	- Radial at shaft end	20 N
Parameterizability		n > 6000 rpm	
Accuracy	± 60 " (Incremental track)	- Axial	40 N
Ambient temperature		- Radial at shaft end	60 N
During operation	-40 ... 100 °C	Shock, max.	
Standards		2 ms	2000 m/s ²
Compliance with standards	CE, cULus	6 ms	1000 m/s ²
EMC class filter	Tested to DIN EN 50081 and EN 50082	Degree of protection	
		Without shaft input	IP67
		With shaft input	IP64