



Figure similar

MLFB-Ordering data

6FX2001-5QE13

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	160 mA	Shaft diameter	10 mm
Interface	EnDat	Shaft length	20 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, Radial	Vibration (55...2000 Hz), max.	300 m/s ²
Resolution	13 bit, (8192 increments)	Friction torque (at 20°C)	≤ 0.01 Nm
Telegram	13 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.)	12000 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