



MLFB-Ordering data 6FX2001-5FD13-1AA0

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Electrical data		Mechanical data	
Operating voltage Up	DC 24 V - 15 % + 20 %	Shaft version	Solid shaft
Max. power consumption	37 mA	Shaft diameter	6 mm
Interface	DRIVE-CLiQ	Shaft length	10 mm
Data output	DRIVE-CLiQ	Angular acceleration, max.	100000 rad/s²
Short-circuit strength	Yes	Moment of inertia of rotor	0.00000290 kgm²
Transmission rate	100 Mbit/s	Vibration (55...2000 Hz), max.	300 m/s²
Cable length up to the subsequent electronics, max.	100 m	Friction torque (at 20°C)	<= 0.01 Nm
Connection type	Flange socket, Radial	Starting torque (at 20°C)	<= 0.01 Nm
Resolution	24 bit	Net weight	0.3 kg
Incremental track	2048 S/R, 1 Vpp (encoder-internal only)	Max. admissible speed	
Accuracy	± 20 "	Electrical	14000 rpm
Code type		Mechanical	15000 rpm
Sampling	Gray	Load capacity	
Transmission	DRIVE-CLiQ	n <= 6000 rpm	
		- Axial	40 N
		- Radial at shaft end	60 N
		n > 6000 rpm	
		- Axial	10 N
		- Radial at shaft end	20 N
Ambient temperature		Shock, max.	
During operation	-30 ... 100 °C	6 ms	2000 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