



Figure similar

### MLFB-Ordering data

6FX2001-5QD25-0AA1

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	325 mA	Shaft diameter	10 mm
Interface	DRIVE-CLiQ	Shaft length	20 mm
Data output	DRIVE-CLiQ	Angular acceleration, max.	100000 rad/s <sup>2</sup>
Short-circuit strength	Yes	Moment of inertia of rotor	0.00000190 kgm <sup>2</sup>
Transmission rate	100 Mbit/s	Vibration (55...2000 Hz), max.	100 m/s <sup>2</sup>
Cable length up to the subsequent electronics, max.	100 m	Friction torque (at 20°C)	<= 0.01 Nm
Connection type	DRIVE-CLiQ connector, Radial	Starting torque (at 20°C)	<= 0.01 Nm
Resolution	34 bit (22 bit single-turn + 12 bit multi-turn)	Net weight	0.5 kg
Incremental track	2048 S/R, 1 Vpp (encoder-internal only)	Max. admissible speed	
Accuracy	± 36 "	Electrical	14000 rpm
Code type		Mechanical	10000 rpm
Sampling	Gray	Load capacity	
Transmission	DRIVE-CLiQ	n = 6000 rpm	
Parameterizability		- Axial	10 N
Counting direction	Yes	- Radial at shaft end	20 N
Ambient temperature		n > 6000 rpm	
During operation	-20 ... 100 °C	- Axial	40 N
Standards		- Radial at shaft end	60 N
Compliance with standards	CE, cULus	Shock, max.	
EMC class filter	Tested to DIN EN 50081 and EN 50082	2 ms	2000 m/s <sup>2</sup>
		6 ms	1000 m/s <sup>2</sup>
		Degree of protection	
		Without shaft input	IP67
		With shaft input	IP64