

MLFB-Ordering data

6FX2001-5QD13-0AA1



Figure similar

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 diameter	10 mm
Max. power consumption	245 mA	Shaft length	20 mm
Interface	DRIVE-CLiQ	Angular acceleration, max.	100000 rad/s <sup>2</sup>
Data output	DRIVE-CLiQ	Moment of inertia of rotor	0.00000190 kgm <sup>2</sup>
Short-circuit strength	Yes	Vibration (55...2000 Hz), max.	100 m/s <sup>2</sup>
Transmission rate	100 Mbit/s	Friction torque (at 20°C)	<= 0.01 Nm
Cable length up to the subsequent electronics, max.	100 m	Starting torque (at 20°C)	<= 0.01 Nm
Connection type	DRIVE-CLiQ connector, Radial	Net weight	0.4 kg
Resolution	22 bit	<b>Speed max.</b>	
Incremental track	2048 S/R, 1 Vpp (encoder-internal only)	Max. permissible speed (elec.)	14000 rpm
Accuracy	± 36 "	Max. permissible speed (mech.)	12000 rpm
<b>Code type</b>		<b>Load capacity</b>	
Sampling	Gray	n = 6000 rpm	
Transmission	DRIVE-CLiQ	- Axial	10 N
		- Radial at shaft end	20 N
<b>Parameterizability</b>		n > 6000 rpm	
Counting direction	Yes	- Axial	40 N
		- Radial at shaft end	60 N
<b>Ambient temperature</b>		<b>Shock, max.</b>	
During operation	-20 ... 100 °C	2 ms	2000 m/s <sup>2</sup>
		6 ms	1000 m/s <sup>2</sup>
<b>Standards</b>		<b>Degree of protection</b>	
Compliance with standards	CE, cULus	Without shaft input	IP67
EMC class filter	Tested to DIN EN 50081 and EN 50082	With shaft input	IP64