



Figure similar

### MLFB-Ordering data

6FX2001-5WD25-1AA0

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	Hollow shaft
Max. power consumption	43 mA	Shaft diameter	12 mm
Interface	DRIVE-CLiQ	Shaft length	24 mm
Data output	DRIVE-CLiQ	Angular acceleration, max.	100000 rad/s <sup>2</sup>
Short-circuit strength	Yes	Moment of inertia of rotor	0.00000460 kgm <sup>2</sup>
Transmission rate	100 Mbit/s	Vibration (55...2000 Hz), max.	150 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	Flange socket, Radial	Starting torque (at 20°C)	<= 0.01 Nm
Resolution	36 bit (24 bit Singleturn +12 bit Multiturn)	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	12000 rpm
Sampling	Gray	Load capacity	
Transmission	DRIVE-CLiQ	n = 6000 rpm	
		- Axial	10 N
		- Radial at shaft end	20 N
		n > 6000 rpm	
		- Axial	40 N
		- Radial at shaft end	60 N
		Shock, max.	
		6 ms	1000 m/s <sup>2</sup>
		Degree of protection	
		Without shaft input	IP67
		With shaft input	IP64
Ambient temperature			
During operation	-30 ... 100 °C		
Standards			
Compliance with standards	CE, cULus		
EMC class filter	Tested to DIN EN 50081 and EN 50082		