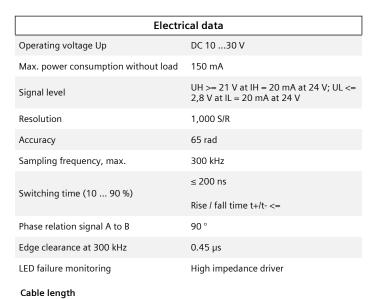
SIEMENS

Data sheet for Incremental encoder

6FX2001-4QB00 Article No.:

Client order no. : Order no. : Offer no. : Remarks :



To the downstream	alactronics	n

300 m max.

Amhiant	tamn	in o	naration
Ambient	temp	111 0	peration

Fixed installation of flange outlet or cable

- At Up = 10V ... 30V -40 ... 100 °C

Flexible cable

- At Up = 10V ... 30V -10 ... 100 °C

	Standards
Compliance with standards	CE, cULus
EMC class filter	Tested according to the EMC guidelines 89/336/EEC and the rules of the EMC

guidelines (generic standards)

Mechanical data		
Shaft diameter	10 mm	
Shaft length	20 mm	
Angular acceleration, max.	100,000 rad/s²	
Rotor moment of inertia	0.00000145 kgm²	
Vibration (552000 Hz), max.	300 m/s²	
Friction torque (at 20°C)	0.01 Nm	
Starting torque (at 20°C)	0.01 Nm	
Net weight	0.3 kg	

Max. admissible speed

Electrical	18,000 rpm
Mechanical	12,000 rpm



Item no. : Consignment no. : Project :

Load capacity

	n ≤ 6000 rpm	
	- Axial	40 N
	- Radial at shaft end	60 N
	n > 6000 rpm	
	- Axial	10 N
	- Radial at shaft end	20 N
S	hock, max.	
	2 ms	2,000 m/s ²
	6 ms	1,000 m/s ²
D	egree of protection	
	Without shaft input	IP67
	With shaft input	IP64