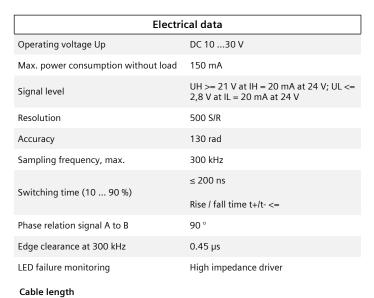
SIEMENS

Data sheet for Incremental encoder

Article No.: 6FX2001-4SA50

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



Ambient	temp in	operation
/ tillbiclit	temp in	operation

300 m

Fixed installation	of flange o	outlet or	cable

To the downstream electronics, max.

- 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	36,000 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	
Shock, max.			
	2 ms	2,000 m/s ²	
	6 ms	1,000 m/s ²	
Degree of protection			
	Without shaft input	IP67	
	With shaft input	IP64	