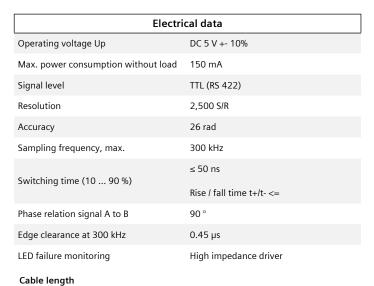
SIEMENS

Data sheet for Incremental encoder

Article No.: 6FX2001-2EC50

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



Ambient temp in operation

To the downstream electronics, max. 100 m

Fixed installation of flange outlet or cable

- At Up = 10V ... 30V -40 ... 100 °C

Flexible cable

- At Up = 10V ... 30V -10 ... 100 °C

Ambient temp in operation

Fixed installation of flange outlet or cable

- At Up = 10V ... 30V ... °C

Flexible cable

EMC class filter

- At Up = 10V ... 30V ... °C

	Standards	
Compliance with standards	CE, cULus	

Tested according to the EMC guidelines

89/336/EEC and the rules of the EMC guidelines (generic standards)

Mechanical data		
Shaft diameter	6 mm	
Shaft length	10 mm	
Angular acceleration, max.	100,000 rad/s ²	
Rotor moment of inertia	0.00000145 kgm²	
Vibration (552000 Hz), max.	300 m/s ²	
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	7,200 rpm
Mechanical	12,000 rpm



Item no. : Consignment no. : Project :

With shaft input

Load capacity

r	n ≤ 6000 rpm			
	- Axial	40 N		
	- Radial at shaft end	60 N		
r	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				
٧	lithout shaft input	IP67		

IP64