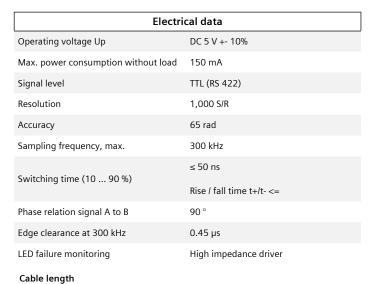
SIEMENS

Data sheet for Incremental encoder

Article No.: 6FX2001-2PB00

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



	To the downstream electronics, max.	100 m	
	Ambient temp in operation		
Fixed installation of flange outlet or cable			

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- 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	℃	
F	lexible cable		

6. 1 1		
- At Up = 10V 30V	℃	

	Standards
Compliance with standards	CE, cULus
	Tested according to the EMC guidelines

EMC class filter 8	ested according to the EMC guidelines 39/336/EEC and the rules of the EMC guidelines (generic standards)
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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/s ²
Friction torque (at 20°C)	0.01 Nm
Starting torque (at 20°C)	0.01 Nm
Net weight	0.3 kg

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
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