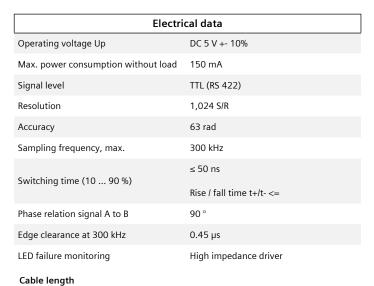
# **SIEMENS**

# Data sheet for Incremental encoder

Article No.: 6FX2001-2CB02

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



Ambient temp in operation

Fixed	instal	lation	of 1	flange	outlet	or c	able	3

To the downstream electronics, max.

- At Up = 10V ... 30V -40 ... 100 °C

#### Flexible cable

- At Up = 10V ... 30V -10 ... 100 °C

# Ambient temp in operation

100 m

#### Fixed installation of flange outlet or cable

- At Up = 10V ... 30V ... °C

# Flexible cable

- At Up = 10V ... 30V ... °C

Standards

Compliance with standards CE, cULus

Tested according to the EMC guidelines EMC class filter 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/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	17,600 rpm
Mechanical	12,000 rpm



Item no. : Consignment no. : Project :

# Load capacity

At shaft input

n ≤ 6000 rpm		
- Axial	40 N	
- Radial at shaft end	60 N	
n > 6000 rpm		
- Axial	10 N	
- Radial at shaft end	20 N	
ock, max.		
ms	2,000 m/s <sup>2</sup>	
ms	1,000 m/s <sup>2</sup>	
Degree of protection		
t housing	IP67	
	- Radial at shaft end n > 6000 rpm  - Axial - Radial at shaft end ock, max.	

IP64