

# SIEMENS

## Лист технических данных

## 6FX2001-2QC50

INCREM. ENCODER WITH RS 422 (TTL),  
2500 P/R,  
CLAMP FLANGE WELLE 10 MM OPERATING  
VOLTAGE 10 - 30 V RADIAL FLANGE CONNECTOR



Abb. ähnlich

Operating voltage VP at the encoder / min.	10 V
Operating voltage VP at the encoder / max.	30 V
Частота считывания • максимум	300 kHz
Current consumption without load • max.	150 mA
Outputs protected against short circuit to 0 V	Да
Switching time (10 ... 90 %) for 1 m cable and recommended input circuit • max.	50 ns
Phase displacement angle	90 °
Edge spacing at • 300 kHz / min.	0,45 µs
Длина проводки • максимально	100 m

Resolution	
• max.	2500
Precision	26 "
Speed / electric	
• max.	7200 1/min
Скорость вращения / [nicht versorgt - maximal]	12000 1/min
Friction torque at 20°C / max.	0,01 N·m
Starting torque at 20 °C / max.	0,01 N·m
Shaft load capacity	
• at n > 6000 rpms	
• axially, max.	10 N
• radially on shaft end, max.	20 N
• at n ≤ 6000 rpms	
• axially, max.	40 N
• radially on shaft end, max.	60 N
Outer diameter / of rotary encoder shaft	10 mm
Length of encoder shaft	20 mm
Angular acceleration / maximum	100000 rad/s <sup>2</sup>
Момент инерции	0,00000145 kg·m <sup>2</sup>
Vibration 55 to 2000 Hz according to DIN IEC 60068-2-6 / max.	300 m/s <sup>2</sup>
Shock according to EN 60068-2-27	
• 2ms, max.	2000 m/s <sup>2</sup>
• 6ms, max.	1000 m/s <sup>2</sup>
Ambient temperature / during operation	
• with flange socket or fixed installation cable, at	
• V <sub>p</sub> = 10 ... 30 V, min.	-40 °C
• V <sub>p</sub> = 10 ... 30 V, max.	70 °C
• with flexible installation cable, at	
• V <sub>p</sub> = 10 ... 30 V, min.	-10 °C
• V <sub>p</sub> = 10 ... 30 V, max.	70 °C
Чистый вес	0,3 kg

#### Weitere Informationen

[Informations- und Downloadcenter der Industrie Automation und Antriebstechnik](#)

[Technische Dokumentation \(Motion Control\)](#)

[Industry Mall \(Online-Bestellsystem\)](#)

[Service & Support \(FAQs, Handbücher, Betriebsanleitungen, Zertifikate, Kennlinien, ...\)](#)

**letzte Änderung:**

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