

SIMATIC MEASURING SYSTEMS

Product Data Sheet

6FX2001-5QN25

PROFINET absolute encoder

FUNCTION PROFINET absolute encoder	FAMILY SIMATIC measuring systems	ORIGIN Germany	WEIGHT 0.80 kg
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Siemens Simatic S7 6FX2001-5QN25 is a PROFINET absolute encoder for the SIMATIC measuring systems. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Digital resolution	27 bit; (8192 increments x 16384 rpms)
Transfer Rate	100 Mbit/s
Maximum Current	400 mA; (< 4 W)
Design of input / for clock cycle	Differential line driver according to EIA Standard RS 485
For DC	10 ... 30
With electrical rotation tran	5 800 1/min
Speed — maximum	6 000 1/min
Operating Temperature	-40 ... +85
Measuring cycle	1 ... 100
Enclosure Rating	IP64

Type of electrical connection	2 x connector M12, 4-pin for PROFINET Ports, 1 x connector M12, 4-pin for operating voltage
Note	Any 1 ... 8192
Parameterizable total resolution / Note	Any 1 ... 16384
Without shaft input	IP67
Design of encoder output	PNO encoder profile

- Filling and packaging production halls: Remote Station Systems
- Aeration and sludge treatment basins: Energy Management Systems
- Turbine lubrication and cooling skids: Drive Coordination Systems

Match 6FX2001-5QN25 to the installed SIMATIC measuring systems, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[Siemens official manufacturer documentation](#)

<https://support.industry.siemens.com/>

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