AUTOMATION TRADER

6DR5111-0NN00-0AA3

Industrial automation components

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Manufacturer	Siemens
Catalog number	6dr5111-0nn00-0aa3
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Product Type	Electropneumatic Positioner
Input Signal	4...20 mA
Communication Interface	HART
Housing Material	Aluminum
Position Detection	Non-Contacting (NCS)
Electrical Connection	1/2" NPT
Pneumatic Connection	1/4" NPT
Explosion Protection	None
Limit Monitor	None
Optional Modules	None
Instruction Manual Languages	English, German, Chinese
Fail-Safe Operation	Depressurizes actuator on electrical auxiliary power failure

Description

The Siemens 6DR5111-0NN00-0AA3 is an electropneumatic positioner from the SIPART PS2 series, designed for precise control of pneumatic linear and part-turn actuators. This model features a single-acting aluminum enclosure, making it suitable for applications where space is limited.

It operates with a 4...20 mA input signal and includes a HART interface for enhanced communication capabilities. The device is equipped with non-contacting position detection (NCS), ensuring wear-free operation and reducing maintenance needs.

AUTOMATION TRADER

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Standard features include a 1/2" NPT electrical connection and a 1/4" NPT pneumatic connection. The positioner does not come with explosion protection and lacks a limit monitor or optional modules. A brief instruction manual is provided in English, German, and Chinese.

In the event of a failure in the electrical auxiliary power, the actuator is depressurized, ensuring fail-safe operation. Additionally, the device includes an aluminum pressure gauge block with a 1/4" NPT thread and a plastic manometer rated at IP31, capable of measuring in MPa and psi.