

## Datasheet for

SIPART PS2 Smart, electropneumatic positioner, 4...20mA, Ex/nEx, single-acting, polycarbonate enclosure, for pneumatic linear and part-turn actuators. Non-contacting (wear-free) position detection (NCS).

**Ordering data:** **6DR50100NG130BA1**

### General

Manufacturer	Siemens
Supplier	Siemens
Product designation	Electropneumatic positioner
Brand name	SIPART PS2
Type designation	SIPART PS2 Smart, electropneumatic positioner, 4...20mA, Ex/nEx, single-acting, polycarbonate enclosure, for pneumatic linear and part-turn actuators. Non-contacting (wear-free) position detection (NCS).
Net weight	1.26 kg
Slogan	One that masters everything: SIPART PS2

### Input

#### Analog input

Signal range at the analog input	4 ... 20 mA
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### Operating conditions

#### Environmental conditions

Ambient temperature during operation	-30 °C...+80 °C
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#### Degree of protection

IP rating	IP66
NEMA Enclosure Type	NEMA 4X

#### Electromagnetic compatibility EMC

Standard for EMC	The appropriate directives and standards applied, including the relevant versions, can be found in the EC Declaration of Conformity on the Siemens Internet pages.
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### Structural Design

#### Mechanical design

Design of the positioner	single-acting
Rotation angle of the part-turn actuator	30 Degree...100 Degree
Stroke range of the linear actuator	3 mm...130 mm

#### Material

#### Enclosure

Material	polycarbonat, glass-fiber reinforced (PC)
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#### Mounting

Mounting kit for linear actuator	Using mounting kit 6DR4004-8V and where necessary with an additional lever arm 6DR4004-8L on actuators according to IEC 534-6 (NAMUR) with ribs, bars or flat face
Mounting kit for part-turn actuator	"Using mounting kit 6DR4004-8D on actuators with mounting plane according to VDI/VDE 3845 and DIN 3337: The required mounting console has to be provided on the actuator side; shaft with groove and female thread M6"
Type of the assembly	With a suitable mounting kit, depending on use as a linear actuator or a part-turn actuator and process environment
Design of connection for actuating pressure	G 1/4"

#### Electrical connections

Connection technology	2-wire connection
Design of the cable entry	M20 x 1.5

