

# TYPE APPROVAL CERTIFICATE

This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the DNV GL Type Approval System.

Certificate No. **44 971 - 07 HH**

Company **Siemens AG  
Process Industries and Drives  
Process Automation  
76181 Karlsruhe, GERMANY**

Product Description **Electro-Pneumatic Positioner  
Non Contacting Position Sensor (NCS)**

Type **SIPART PS2 6DR5xxx-0xxxx-0xA0  
6DR4004-xNNx0**

Environmental Category **D, F\*, EMC1**

Technical Data /  
Range of Application **Power supply: 24V DC nominal  
Output: 4...20mA, 2-wire (loop-powered) or 3-/4-wire, HART (option)  
PROFIBUS PA, FOUNDATION Fieldbus  
\*Environmental Category 'F': 2-wire version only  
For actuator: single-action or double-action, 'Fail in Place' functionality  
Degree of protection: IP 66  
Requirement class: 3  
Software- / Firmware-Version(s):  
5.xx.yy - HART electronics  
6.xx.yy - PA electronics  
3.xx.yy - FF electronics**

**Technical details on the following pages of this certificate**

Test Standard **GL Guidelines for the Performance of Type Approvals, Chapter 2 – Test  
Requirements for Electrical / Electronic Equipment and Systems (VI-7-2),  
Edition 2012**

Documents **Test reports: GL\_File 70.70. 4497107 (Edition 2007+Amendments 2009/2012)  
Software Development Documentation (Produktpass PV Nr.4072)  
Documents as listed in the document: A5E36782041A\_Rev001**

Remarks **Product(s) approved by this certificate is/are accepted for installation on all  
vessels classed by DNV GL**

Valid until **2020-12-09**

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**Hamburg, 2015-12-10**

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SIPART PS2 – **6DR5 1 2 3 - 4 5 6 7 8 - 9 10 a b Z xxx**

1	<b>Electronics</b>	0 PS2 2-wire without HART 1 PS2 2-wire with HART 2 PS2 2-, 3- 4-wire with HART 3 PS2 2-, 3- 4-wire without HART 5 PS2 with PROFIBUS PA connection 6 PS2 with FOUNDATION Fieldbus connection 9 PS2 with Connector module
2	<b>Pneumatics</b>	1 Single-Acting 2 Double-Acting
3	<b>Enclosure</b>	0 Plastic 1 Aluminum small 2 Stainless steel 3 Aluminum 5 Aluminum flameproof 6 Stainless steel flameproof
4	<b>Mechanical Drive</b>	0 Standard
5	<b>Explosion Protection</b>	N Without E Equipment protection by intrinsic safety "i" Equipment protection by flameproof enclosure "d" Equipment protection by Dust ignition proof "t" G Equipment protection by type of protection "n" D Equipment dust ignition protection by enclosure "t" Equipment protection by type of protection "n" F Equipment protection by intrinsic safety "i" Equipment protection by type of protection "n" K Equipment protection by intrinsic safety "i" Equipment protection by type of protection "n" Equipment dust ignition protection by enclosure "t"
6	<b>Connection Thread Electrical / pneumatic</b>	G M20 x 1,5 / G 1/4 N 1/2" NPT / 1/4" NPT M M20 x 1,5 / 1/4" NPT P 1/2" NPT / G 1/4 R Plug M12 / G 1/4 S Plug M12 / 1/4-18 NPT Q M25 x 1,5 / 1/4" NPT
7	<b>Limit Monitor installed</b>	0 Without 1 Alarm module; electronic 2 SIA module; slot-type initiators 3 Limit value contact module
8	<b>Optional Modules installed</b>	0 Without 1 Feedback (Iy) module 2 EMC filter module for external position sensor 3 Feedback (Iy) module and EMC filter module for external position sensor

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9	<b>Customer Specific Design</b>	0	Standard
10	<b>Brief Instructions</b>	A	German/English
		B	French/Spanish/Italian
a	<b>Labelling</b>	A	SIEMENS
b	<b>Mounted Pressure Gauge Block</b>	0	Without
		1	Aluminum Gauge Block single-action G $\frac{1}{4}$
		2	Aluminum Gauge Block double-action G $\frac{1}{4}$
		3	Aluminum Gauge Block single-action $\frac{1}{4}$ -18 NPT
		4	Aluminum Gauge Block double-action $\frac{1}{4}$ -18 NPT
		9	Other design
xxx	<b>Other Basic technical Data</b>		Not relevant

## Additional production sites:

- Siemens S.A.S**  
I IA SC MF-H  
1, chemin de la Sandlach B.P. 60189  
67506 Haguenau Cedex, FRANCE
- Siemens Sensor Communication Ltd. (SSCL)**  
No. 117 GuangXian Road, QixianLing, High-Tech Industrial Zone  
Dalian, 116023, P.R. CHINA
- Siemens Industry Inc**  
1201 Sumneytown Pike  
PO Box 900  
Spring House  
PA 19477-0900, USA
- ARCA-Regler GmbH**  
Kempener Str. 18  
47918 Tönisvorst, GERMANY

## Additional documents:

DQS Certificate No. 072196 QM08  
TÜV Rheinland Cert GmbH Certificate No. 01 100 075016  
DNV-GL Hamburg Inspection Report for Certificates No. 44971-07 HH, no. 44942-07 HH,  
dated, 2014-05-16  
DNV-GL Hamburg Initial Assessment Report for Certificate no. 44971-07 HH,  
dated, 2014-07-21

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