

Positioners

SIPART PS2

Selection and Ordering data

SIPART PS2

5

Selection and ordering data	Article No.	Order code
SIPART PS2 electropneumatic positioner in enclosure made of Makrolon, aluminum and stainless steel	6 DR 5	
	■ ■ ■ - 0 ■ ■ ■ ■ ■ - ■ ■ ■ A ■ ■ ■ ■ ■	
Version		
2-wire (4 to 20 mA)		
• Without HART	▶▶ 0	
• With HART, not explosion-protected	▶▶ 1	
2-, 3-, 4-wire (0/4 to 20 mA)		
• With HART, explosion-protected	▶▶ 2	
• Without HART, not explosion-protected	▶▶ 3	
PROFIBUS PA connection	5	
FOUNDATION Fieldbus connection	6	
For actuator		
Single-acting	▶▶ 1	
Double-acting	▶▶ 2	
Enclosure		
Makrolon	▶▶ 0	
Aluminum; only single-acting	1 1	
Stainless steel (without window)	2	
Explosion protection		
Without	▶▶	N
In type of protection (ATEX/IECEX/FM/CSA)	▶▶	E
• Intrinsic safety		
With protection type (ATEX/IECEX) ¹⁾		D
• Non-sparking		
• Dust protection via enclosure		
With protection type (ATEX/IECEX/FM) ²⁾		F
• Intrinsic safety		
• Non-sparking		
With protection type (ATEX/IECEX/FM) ²⁾		G
• Non-sparking		
With protection type (ATEX/IECEX) ¹⁾		K
• Intrinsic safety		
• Non-sparking		
• Dust protection via enclosure		
Connection thread electrical/pneumatic		
With cable gland M20x1.5/G¼	▶▶	G
With cable gland ½-14 NPT / ¼-18 NPT	▶▶	N
With cable gland M20x1.5/¼-18 NPT		M
With cable gland ½-14 NPT / G¼		P
With plug M12 / G¼ ³⁾		R
With plug M12 / ¼-18 NPT ³⁾		S

▶ Available ex stock
 ● We can offer shorter delivery times for configurations designated with the Quick Ship Symbol ●. For details see page 9/5 in the appendix.

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	■ ■ ■ - 0 ■ ■ ■ ■ ■ - ■ ■ ■ A ■ ■ ■ ■ ■	
Limit monitor		
Installed, incl. 2nd cable gland		
Without	▶▶	0
Alarm module; electronic (6DR4004-.A)		1
SIA module; slot-type initiators (6DR4004-.G)		2
Mechanical limit switch module (mechanical switching contacts) (6DR4004-.K))		3
Option modules		
Installed, incl. 2nd cable gland		
Without	▶▶	0
ly module for position feedback signal (4 ... 20 mA) (6DR4004-.J)		1
EMC filter module for external position sensor in the SIPART PS2 enclosure (C73451-A430-D23), NCS sensor 6DR4004-.NN.0 and external position sensing with non-Siemens potentiometer		2
ly module and EMC filter module for external position sensor		3
Customer-specific design		
Without	▶▶	0
Brief instructions		
German/English	▶▶	A
French/Spanish/Italian		B
Mounted pressure gauge block		
Without	▶▶	0
Gauge made of plastic		
Block made of aluminum, single-acting G¼, scaled in MPa, bar, psi		1
Block made of aluminum, double-acting G¼, scaled in MPa, bar, psi		2
Block made of aluminum, single-acting ¼-18 NPT, scaled in MPa, bar, psi		3
Block made of aluminum, single-acting ¼-18 NPT, scaled in MPa, bar, psi		4
Gauge made of steel		
block made of aluminium, single-acting G¼, scaled in MPa, bar, psi		9 R 1 A
Block made of aluminium, double-acting G¼, scaled in MPa, bar, psi		9 R 2 A
Block made of aluminium, single-acting ¼-18 NPT, scaled in MPa, bar, psi		9 R 1 B
Block made of aluminium, double-acting ¼-18 NPT, scaled in MPa, bar, psi		9 R 2 B
Gauge made of stainless steel 316		
Block made of stainless steel 316, single-acting G¼, scaled in MPa, bar, psi		9 R 1 C
Block made of stainless steel 316, double-acting G¼, scaled in MPa, bar, psi		9 R 2 C
Block made of stainless steel 316, single-acting ¼-18 NPT, scaled in MPa, bar, psi		9 R 1 D
Block made of stainless steel 316, double-acting ¼-18 NPT, scaled in MPa, bar, psi		9 R 2 D



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SIPART PS2 electropneumatic positioner in enclosure made of Makrolon, aluminum and stainless steel	6 DR 5	
<i>Further designs</i>	Order code	
Add "-Z" to Article No. and specify Order Code.		
TAG plate made of stainless steel, 3-line Text line 1: Plain text from Y17 Text line 2: Plain text from Y15 Text line 3: Plain text from Y16	A20	
Version with stainless steel sound absorbers Standard with stainless steel enclosure	A40	
Functional safety (SIL 2) only for 6DR5.1. (single-acting positioners) Device suitable for use according to IEC 61508 and IEC 61511	C20	
Pneumatic terminal block made of stainless steel 316 For device versions in Makrolon enclosure	K18	
OPOS adapter with interface VDI/VDE 3847 blanketing, not for flameproof aluminum enclosure	K20	
Measuring point description Max. 16 characters for HART, max. 32 characters for PROFIBUS PA, FOUNDATION Fieldbus and 4 ... 20 mA, specify in plain text: Y15:	Y15	
Measuring point text Max. 24 characters for HART, max. 32 characters for PROFIBUS PA, FOUNDATION Fieldbus and 4 ... 20 mA, specify in plain text: Y16:	Y16	
Measuring point number (TAG No.) Max. 8 characters for HART, max. 32 characters for PROFIBUS PA, FOUNDATION Fieldbus and 4 ... 20 mA, specify in plain text: Y17:	Y17	
Preset bus address Specify in plain text: Y25: (only for 6DR55.. and 6DR56..)	Y25	
Customer-specific diagnostics Specify in plain text: Y30:	Y30	

► Available ex stock (select combinations)

- 1) Enclosure: aluminum or stainless steel, each without inspection window in the cover
- 2) Enclosure: aluminum or Makrolon, each with inspection window in the cover Max. impact energy 1 Joule for enclosure with inspection window 6DR5..0 und 6DR5..1.
- 3) Only with version PROFIBUS PA 6DR55.. and FOUNDATION Fieldbus 6DR56..
Only with type of protection dust protection by enclosure, 6DR5...-0D... and 6DR5...-0K..



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