

# Electropneumatic positioners

## SIPART PS2

### Ordering data SIPART PS2, PS2 PA, PS2 FF

Selection and Ordering data	Order No.
<b>Electropneumatic positioner SIPART PS2, Ex protection without, EEx ia/ib and EEx n</b>	6 DR 5 - 0 - A
<b>Version</b>	
2-wire (4 to 20 mA)	
• <u>Without</u> HART ▶	0
• <u>With</u> HART, <u>not</u> explosion-protected ▶	1
2-, 3-, 4-wire (0/4 to 20 mA)	
• <u>With</u> HART, explosion-protected ▶	2
• <u>Without</u> HART, <u>not</u> explosion-protected ▶	3
PROFIBUS PA connection ▶	5
FOUNDATION Fieldbus connection ▶	6
<b>For actuator</b>	
Single-action ▶	1
Double-action ▶	2
<b>Casing</b>	
Plastic ▶	0
Aluminum; only single-action ▶	1 1
Stainless steel (without window) ▶	2
<b>Explosion protection</b>	
Without ▶	N
With explosion protection EEx ia/ib (CENELEC/ATEX/FM/CSA) ▶	E
With explosion protection EEx n, (CENELEC/ATEX)	
• For zone 2 and zone 22 (dust), casing: aluminium or stainless steel; each with no window in the cover	D
• For zone 2 <sup>1)2)</sup> casing: aluminium or plastic; each with window in the cover	G
<b>Connection thread electrical/pneumatic</b>	
M20 x 1.5 / G¼ ▶	G
½-14 NPT / ¼-18 NPT ▶	N
M20 x 1.5 / ¼-18 NPT	M
½-14 NPT / G¼	P
With plug M12 / G¼	R
With plug M12 / ¼-18 NPT	S
<b>Limit monitor</b>	
Installed, incl. 2nd cable gland	
Without ▶	0
Alarm module; electronic (6DR4004-A)	1
SIA module; slot-type initiators (6DR4004-G)	2
Limit value contact module (mechanical switching contacts (6DR4004-K)	3

Selection and Ordering data	Order No.
<b>Electropneumatic positioner SIPART PS2, Ex protection without, EEx ia/ib and EEx n</b>	6 DR 5 - 0 - A
<b>Optional modules</b>	
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 (C73451-A430-D23)	2
ly module and EMC filter module for external position sensor	3
<b>Customer-specific design</b>	
Without ▶	0
<b>Brief instructions</b>	
German/English ▶	A
French/Spanish/Italian	B
<b>Mounted pressure gauge block</b>	
Without ▶	0
Single-action G¼, scaling MPA and bar	1
Double-action G¼, scaling MPA and bar	2
Single-action ¼-18 NPT, scaling MPA and psi	3
Double-action ¼-18 NPT, scaling MPA and psi	4
<b>Further designs</b>	Order code
Add "-Z" to Order No. and specify Order code.	
<b>Version with stainless steel sound absorbers</b>	A40
standard with stainless steel enclosures	
<b>Measuring point number (TAG No.)</b>	Y17 <sup>3)</sup>
HART tag max. 8 characters, max. 32 characters for PROFIBUS PA, FOUNDATION Fieldbus and 4 ... 20 mA version, specify in plain text: <b>Y17: .....</b>	
<b>Measuring point description</b>	Y15 <sup>3)</sup>
HART tag max. 16 characters, max. 32 characters for PROFIBUS PA, FOUNDATION Fieldbus and 4 ... 20 mA version, specify in plain text: <b>Y15: .....</b>	
<b>Measuring point text</b>	Y16 <sup>3)</sup>
HART tag max. 24 characters, max. 32 characters for PROFIBUS PA, FOUNDATION Fieldbus and 4 ... 20 mA version, specify in plain text: <b>Y16: .....</b>	
<b>TAG plate made of stainless steel, 3-line</b>	A20 <sup>3)</sup>
Text line 1: Plain text from Y17 Text line 2: Plain text from Y15 Text line 3: Plain text from Y16	
<b>Preset bus address</b>	Y25 <sup>3)</sup>
Specify in plain text: <b>Y25: .....</b>	

▶ Available ex stock

1) Maximum impact energy to the casing: 1 Joule.

2) For device versions in plastic casing: it is essential to prevent electrostatic charging. Maximum torque of the cable gland: 67 Nm.

3) Only for plastic casing, for other casings on request.

# Electropneumatic positioners

## SIPART PS2

Ordering data  
SIPART PS2 EEx-d, PS2 EEx-d PA, PS2 EEx-d FF

Selection and Ordering data	Order No.
<b>Electropneumatic positioner</b> SIPART PS2, Ex protection EEx-d, aluminium housing, without cable gland	6 DR 5 5 - 0 E - A
<b>Version</b>	
2-wire (4 to 20 mA)	
• <u>Without</u> HART	0
• <u>With</u> HART, <u>not</u> explosion-protected	1
2-, 3-, 4-wire (0/4 to 20 mA)	
• <u>With</u> HART	2
• <u>Without</u> HART, <u>not</u> explosion-protected	3
PROFIBUS PA connection	5
FOUNDATION Fieldbus connection	6
<b>For actuator</b>	
Single-action	1
Double-action	2
<b>Connection thread electrical/pneumatic</b>	
M20 x 1.5 / G¼	G
½-14 NPT / ¼-18 NPT	N
M20 x 1.5 / ¼-18 NPT	M
½-14 NPT / G¼	P
M25 x 1.5 / G¼	Q
<b>Limit monitor</b>	
Installed	
Without	0
Alarm module; electronic (6DR4004-.A)	1
<b>Optional modules</b>	
Installed	
Without	0
ly module for position feedback signal (4 ... 20 mA) (6DR4004-.J)	1
<b>Customer-specific design</b>	
Without	0
<b>Brief instructions</b>	
German/English	A
French/Spanish/Italian	B
<b>Mounted pressure gauge block</b>	
Without	0
Single-action G¼, scaling MPa and bar	1
Double-action G¼, scaling MPa and bar	2
Single-action ¼-18 NPT, scaling MPa and psi	3
Double-action ¼-18 NPT, scaling MPa and psi	4

Selection and Ordering data	Order No.
<b>Electropneumatic positioner</b> SIPART PS2, Ex protection EEx-d, aluminium housing, without cable gland	6 DR 5 5 - 0 E - A
<b>Further designs</b>	Order code
Add "-Z" to Order No. and specify Order Code.	
<b>Measuring point number (TAG No.)</b>	Y17
HART tag max. 8 characters, max. 32 characters for PROFIBUS PA and FOUNDATION Fieldbus version, specify in plain text: <b>Y17: .....</b>	
<b>Measuring point description</b>	Y15
HART tag max. 16 characters, max. 32 characters for PROFIBUS PA and FOUNDATION Fieldbus version, specify in plain text: <b>Y15: .....</b>	
<b>Measuring point text</b>	Y16
HART tag max. 24 characters, max. 32 characters for PROFIBUS PA and FOUNDATION Fieldbus version, specify in plain text: <b>Y16: .....</b>	
<b>TAG plate made of stainless steel, 3-line</b>	A20
Text line 1: Plain text from Y17 Text line 2: Plain text from Y15 Text line 3: Plain text from Y16	
<b>Preset bus address</b>	Y25
Specify in plain text: <b>Y25: .....</b>	
► Available ex stock	

D) Subject to export regulations AL: N, ECCN: EAR99H