

Electropneumatic positioners

SIPART PS2

Ordering data Accessories

| Selection and ordering data | Order No. |
|--|-------------------------|
| Accessories | |
| NCS sensor for non-contacting detection of position (not for Ex d version), cable length 6 m (19.68 ft) | 6DR4004- ■ ■NN■0 |
| Non explosion-proof | 8 |
| Explosion-protected, Ex ia/ib | 6 |
| For part-turn actuators, without mounting console | 1 |
| For linear actuators up to 14 mm (0.55 inch), without mounting bracket | 2 |
| For linear actuators >14 mm (0.55 inch), up to 130 mm (5.12 inch), mounting kit same as for SIPART PS2 (sep. ordering item). The EMC filter module is additionally required for the controller unit (sep. order item, see below) | 3 |

| Selection and ordering Data | Order No. |
|--|---------------------------|
| Accessories | |
| Alarm unit for 3 alarm outputs and 1 binary input (functionality: 2 limit monitors, 1 fault alarm, 1 binary input) | |
| • Not explosion-proof | ▶ 6DR4004-8A |
| • With explosion protection CENELEC/ATEX | ▶ 6DR4004-6A |
| • With explosion protection FM/CSA ¹⁾ | ▶ 6DR4004-7A |
| SIA module (slot-type initiator alarm unit, not for Ex d version) | |
| • Not explosion-proof | ▶ 6DR4004-8G |
| • With CENELEC/ATEX and FM/CSA explosion protection ¹⁾ | ▶ 6DR4004-6G |
| Limit value contact module (with mechanical ground contacts, not for Ex d version) | |
| • Not explosion-proof | ▶ 6DR4004-8K |
| • With explosion protection | ▶ 6DR4004-6K |
| ly module for position feedback signal (4 to 20 mA) | |
| • Not explosion-proof | ▶ 6DR4004-8J |
| • With explosion protection CENELEC/ATEX | ▶ 6DR4004-6J |
| • With explosion protection FM/CSA ¹⁾ | ▶ 6DR4004-7J |
| HART modem for connecting to PC or laptop | |
| • with RS232 interface | ▶ 7MF4997-1DA D) |
| • with USB interface | ▶ 7MF4997-1DB D) |
| EMC filter module for connection of external position sensor (10 kΩ) or NCS sensor (not for Ex d version) | C73451-A430-D23 |
| Gauge made of steel. Aluminium block, single-action G ¹ / ₄ , scaled in MPa, bar and psi | 6DR4004-1P ²⁾ |
| Gauge made of steel. Aluminium block, double-action G ¹ / ₄ , scaled in MPa, bar and psi | 6DR4004-2P ²⁾ |
| Gauge made of steel. Aluminium block, single-action 1/4-18 NPT, scaled in MPa, bar and psi | 6DR4004-1PN ²⁾ |
| Gauge made of steel. Aluminium block, double-action 1/4-18 NPT, scaled in MPa, bar and psi | 6DR4004-2PN ²⁾ |
| Gauge made of stainless steel 316. stainlesssteel block, single-action G ¹ / ₄ NPT, scaled in MPa, bar and psi | 6DR4004-1Q ²⁾ |

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|---|---------------------------|
| Gauge made of stainless steel 316. stainless steel block, double-action G ¹ / ₄ , scaled in MPa, bar and psi | 6DR4004-2Q ²⁾ |
| Gauge made of stainless steel 316. stainless steel block, single-action 1/4-18 NPT, scaled in MPa, bar and psi | 6DR4004-1QN ²⁾ |
| Gauge made of stainless steel 316. stainless steel block, double-action 1/4-18 NPT, scaled in MPa, bar and psi | 6DR4004-2QN ²⁾ |
| Two terminal blocks made of stainless steel 316. For replacement of the aluminum terminal blocks in the 6DR4004-8V, -8VK and -8VL mounting kits for NAMUR linear actuators. | 6DR4004-8N ²⁾ |
| Roll and disk made of stainless steel 316 For replacement of the Teflon roll and aluminum disk in the 6DR4004-8, -8VK and -8VL mounting kits for NAMUR linear actuators | 6DR4004-9N ²⁾ |
| Pneumatic terminal strips made of stainless steel 316 For replacement of the pneumatic terminal strip made of aluminum for the SIPART PS2 with Macrolon enclosure | |
| single-action with G ¹ / ₄ | 6DR4004-1R |
| double-action with G ¹ / ₄ | 6DR4004-2R |
| single-action with 1/4-18 NPT | 6DR4004-1RN |
| double-action with 1/4-18 NPT | 6DR4004-2RN |
| Coupler for NAMUR part-turn actuators (VDI/VE 3845, with plastic coupling wheel, without mounting console) | 6DR4004-8D |
| (VDI/VE 3845, with stainless steel coupling, without mounting console) | ▶ C) TGX:16300-1556 |
| The following mounting consoles can be used with the NAMUR part-turn actuator mounting kit 6DR4004-8D. Size W x L x H (H = height of shaft butt) | |
| • 30 x 80 x 20 mm | ▶ C) TGX:16152-105 |
| • 30 x 80 x 30 mm | ▶ C) TGX:16300-147 |
| • 30 x 130 x 30 mm | ▶ C) TGX:16300-149 |
| • 30 x 130 x 50 mm | ▶ C) TGX:16300-151 |
| Mounting kit for other part-turn actuators The following mounting consoles can be used together with the NAMUR part-turn actuator mounting kit 6DR4004-8D#. | |
| • SPX (DEZURIK) Power Rac, sizes R1, R1A, R2 and R2A | ▶ C) TGX:16152-328 |
| • Masoneilan Camflex II | ▶ C) TGX:16152-350 |
| • Fisher 1051/1052/1061, sizes 30, 40, 60 to 70 | ▶ C) TGX:16152-364 |
| • Fisher 1051/1052, size 33 | ▶ C) TGX:16152-348 |
| Mounting kit for NAMUR linear actuators NAMUR linear actuator mounting kit with short lever arm (2 to 35 mm) | ▶ 6DR4004-8V |
| • Lever arm for travels from 35 mm to 130 mm (1.38 inch to 5.12 inch) | ▶ 6DR4004-8L |
| • Reduced mounting kit for linear actuator (like 6DR4004-8V but without fixing angle and U-bolt), with short lever with up to 35 mm (1.38 inch) travel | ▶ 6DR4004-8VK |
| • Reduced mounting kit for linear actuator (like 6DR4004-8V but without fixing angle and U-bolt), with short lever with up to 35 mm (1.38 inch) travel | ▶ 6DR4004-8VL |

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Mounting kit for other linear actuators

- Retrofitting kit for Moore series 72 and 750 valve positioners ▶ **TGX:16152-117**
C)
- Fisher type 657/667, size 30 to 80 ▶ **TGX:16152-110**
C)
- Samson actuator type 3277 ▶ **6DR4004-8S**
(yoke dimension (H5) = 101 mm³)
(integrated connection without tube),
not for Ex d

Pipe mounting

Mounting bracket for pipe mounting of the SIPART PS2 positioner (e.g. when using the NCS sensor) ▶ **TGX:16152-336**
C)

Additional actuator components can be found at the following Internet address:
www.siemens.de/sipartps2
Customer-spec. mounting kits avail. on request.

Manometer made from palstic, including pressure gauge

- For single-action SIPART PS2 positioner (2 manometers, scaled in MPa and bar) ▶ **6DR4004-1M**
- For double-action SIPART PS2 positioner (3 manometers, scaled in MPa and bar) ▶ **6DR4004-2M**
- For single-action SIPART PS2 positioner with NPT thread (2 manometers, scaled in MPa and psi) ▶ **6DR4004-1MN**
- For double-action SIPART PS2 positioner with NPT thread (3 manometers, scaled in MPa and psi) ▶ **6DR4004-2MN**

Connection block, for safety solenoid valve with extended mounting flange to NAMUR

- For mounting to IEC 534-6 ▶ **6DR4004-1B**
- For SAMSON actuator (integrated mounting) see above ▶ **6DR4004-1C⁴⁾**

External position detection system (with explosion protection to CENELEC/ATEX, Ex ia, ib) for separate mounting of position sensor and controller (not for Ex d version), comprising SIPART PS2 Makrolon casing with integral potentiometer and sliding clutch (without electronics and valve block). The EMC filter module is additionally required for the controller unit. (separate ordering item, see below). **C73451-A430-D78**

Documentation (see notes below)

- Instruction Manual for SIPART PS2
- German/English **A5E00074600**
 - French/Italian/Spanish **A5E00074601**
- Instruction Manual for SIPART PS2 PROFIBUS PA
- German/English **A5E00120716**
 - French/Italian/Spanish **A5E00120717**
- Instruction Manual for NCS Sensor
- German/English/French/Spanish/Italian **A5E00097485**
- SIPART PS2 device documentation
- CD-ROM with complete documentation for all device versions **A5E00214567**
- Device manual for SIPART PS2 (not PA and FF)
- German **A5E00074630**
 - English **A5E00074631**
- Manual for SIPART PS2 PROFIBUS PA
- German **A5E00127924**
 - English **A5E00127926**

SITRANS I200 output isolator HART

(see "SITRANS I supply units and isolation amplifiers") with

- 24 V DC power supply ▶ **7NG4131-0AA00**

▶ Available ex stock (select combinations).

C) Subject to export regulations AL: N, ECCN: EAR99.

- 1) U.S. certification by FM insitute
- 2) Available as from January 2010
- 3) With a yoke dimension H5 = 95 mm, only the SIPART PS2 in an aluminum enclosure can be used (6DR5..1-...)
- 4) Only together with 6DR4004-8S und 6DR4004-1M

Note:

All the above mentioned manuals are included on CD-ROM and can be downloaded from www.siemens.de/sipartps2.

Following manuals are available in addition as downloads from the Internet or are included on CD-ROM:

- Instruction Manual Compact SIPART PS2 FF, Electropneumatic Positioner (6DR56..) with Foundation Fieldbus - German/English: A5E00214570
- Instruction Manual SIPART PS2 FF, Electropneumatic Positioner (6DR56..) with FOUNDATION Fieldbus - German: A5E00214568 - English: A5E00214569

Scope of delivery for positioner

- 1 SIPART PS2 positioner as ordered
- 1 CD-ROM with the complete documentation for all versions and accessories
- Manual "SIPART PS2 - Configuration At a Glance"

More Information

Special versions

On request