

Selection and Ordering data

Selection and Ordering data	Order No.
SITRANS VP300 electropneumatic positioner	D) 6 DR 6 3 77 - 77777 - 7A70
Version	
2-wire	
• Without HART	0
• With HART	1
Enclosure design	
Aluminum, painted	0
Actuator type	
Single-action	1
Explosion protection	
Without	NN
ATEX, IECEx	E
Zone 1, Ex ia	
Zone 2, Ex ic	
Zone 21/22, Ex ia	
FM/CSA ¹⁾	
IS, Class I, Div 1, ABCD	
IS, Class I, Zone 1, AEx ib IIC	
IS, Class I, Div 2, NI	
IS, Class I, Zone 2, AEx ib IIC	
IS, Class II, III, Div 1, EFG	
IS, Class II, III, Zone 21, AEx ia IIIC	
ATEX, IECEx	G
Zone 2 Ex nA	
Zone 21/22 Ex tb	
FM/CSA ¹⁾	
NI, Class I, Div 2, ABCD	
NI, Class I, Zone 2, IIC	
DIP, Class II, III, Div 1, EFG	
DIP, Class II, III, Zone1, AEx tb	
Approvals for explosion protection	
Without	NN
ATEX, IECEx, FM, CSA, GOST, NEPSI, INMETRO ¹⁾	S
ATEX, IECEx	A
FM ¹⁾	B
CSA ¹⁾	C
GOST	D
NEPSI ¹⁾	E
INMETRO ¹⁾	F
Electric connection	
Cable gland M20x1.5	1
Thread adapter ½ -14 NPT, without cable gland	2
M12 plug	3
Limit monitor	
Without	0
Alarm module, electronic	1
Option modules	
Without	0
Position feedback module 4 ... 20 mA	1
OEM version	
None	A

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Further designs	Order code
Add "-Z" to order no. and specify order code.	
TAG plate made of stainless steel, 3-line	A01
Text line 1: Plain text from Y17	
Text line 2: Plain text from Y15	
Text line 3: Plain text from Y16	
Version with stainless steel sound absorbers	A40
Certificates	
Final check	C11
Measuring point description	Y15
Max. 16 characters, specify in plain text Y15:.....	
Measuring point text	Y16
Max. 24 characters, specify in plain text Y16:.....	
Measuring point number (TAG No.)	Y17
Max. 8 characters, specify in plain text Y17:.....	

1) Available soon.

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

Note:

To operate the SITRANS VP300 you need a matching magnet holder (contains one magnet). You can order this magnet holder as part of the mounting kit or separately as an accessory.

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SITRANS VP300 electropneumatic positioner, mounting kits	6 DR 6 0 3 7 - 77 77 7 - 77 A 7
Material mounting kit	
Aluminum	1
Actuator type	
Single-action	1
Type mounting kit	
Standard linear actuators	
• IEC 60 534-6-1 (NAMUR), up to 60 mm (2.36 inch)	AA
• IEC 60 534-6-1 (NAMUR), up to 150 mm (5.9 inch) ¹⁾	AB 1
Standard part-turn actuators	
• For existing mounting consoles according to VDI/VDE 3845	BA
• For actuators according to VDI/VDE 3845 with hole pattern 30 x 80 x 20 mm (1.18 x 3.15 x 0.79 inch) ¹⁾	BB
• For actuators according to VDI/VDE 3845 with hole pattern 30 x 80 x 30 mm (1.18 x 3.15 x 0.79 inch) or 30 x 130 x 30 mm (1.18 x 5.12 x 0.79 inch) ¹⁾	BC
• For actuators according to VDI/VDE 3845 with hole pattern 30 x 130 x 50 mm (1.18 x 5.12 x 1.97 inch) ¹⁾	BD
Integrated manufacturer-specific interfaces for linear actuators	
• Flowserve FlowAct 127/252/502/700 ¹⁾	CA 0
• ARCA ARCAPAQ type 812 ¹⁾	CB 0
• RTK ST 6115/6135/6160 (pneumatic connections only G ¼)	CC 1 0
• Fisher GX ¹⁾	CD 0
Integrated manufacturer-specific interfaces for part-turn actuators	
• Neles series EC 05 - 14 und EJ 05 - 14 ¹⁾	DA 0
Samson linear actuators	
• Type 3277 for integrated mounting ¹⁾	EA 0
• Type 3277-5 for integrated mounting ¹⁾	EB 0
• Other types according to IEC 60 534-6-1 (non-integrated actuators), up to 60 mm (2.36 in) ¹⁾	EC
• Other types according to IEC 60 534-6-1 (non-integrated actuators), up to 150 mm (5.9 in) ¹⁾	ED 1
Other linear actuators	
• Adapter for mech. interface SIPART PS2, up to 60 mm (2.36 inch) ¹⁾	FA
• Fisher type series 657 and 667 30/34/40/45/46/50/60, up to 60 mm (2.36 inch) ¹⁾	FB
• Fisher type series 657 and 667 70/76/80/87/100, up to 150 mm (5.9 inch) ¹⁾	FC 1
• RTK ST 6141, up to 60 mm (2.36 inch) (pneumatic connections only G ¼) ¹⁾	FD 1
• RTK ST 6141, up to 150 mm (5.9 in) (pneumatic connections only G ¼) ¹⁾	FE 1 1
Other part-turn actuators	
• Masoneilan Camflex II	GA
• Neles BC/BJ 6 - 20 ¹⁾	GB

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Connections, pneumatic	
G ¼	1
¼-18 NPT	2
Shutoff valve¹⁾ for replacement during operation	
Without	0
With	1
Interface for solenoid valve according to VDI/VDE 3845	
Without	0
With (pneumatic connections only G ¼)	1 1
Gauge¹⁾	
Without	A
Gauge made of steel, scaled in bar/Mpa/psi	B
Magnet holder (contains magnet for position detection on a non-contacting basis)	
Without	0
With	1
<i>Further designs</i>	Order code
Measuring point number (TAG No.) Max. 8 characters, specify in plain text Y17:.....	Y17

¹⁾ Available soon

Example order numbers	Order No.
Mounting kit for NAMUR linear actuators up to 60 mm (according to IEC 60 534-6-1) Single acting with G ¼ connections, magnet holder inc. magnet	6DR6031-1AA10-0AA1
Mounting kit for NAMUR part-turn actuators and existing mounting consoles (according to VDI/VDE 3845) Single acting with G ¼ connections, magnet holder inc. magnet	6DR6031-1BA10-0AA1

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Magnet holder (contains magnet for position detection on a non-contacting basis)

- Linear actuators up to 60 mm (2.36 inch)
- Part-turn actuators and linear actuators > 60 mm (2.36 inch)

6DR6003-1P
6DR6003-2P
Single-action gauge 1)

- Block made of aluminum, connection G $\frac{1}{4}$, gauge made of steel, scaled in bar/Mpa/psi, thread G1/8
- Block made of aluminum, connection $\frac{1}{4}$ -18 NPT, gauge made of steel, scaled in bar/Mpa/psi, thread $\frac{1}{8}$ -27 NPT

6DR6003-1MG1
6DR6003-1MN1
Shut-off module (single action)¹⁾

- Aluminum module

6DR6003-8L
Module for solenoid valve interface according to VDI/VDE 3845¹⁾

- Aluminium module, connection G $\frac{1}{4}$ (not for integrated actuators)

6DR6003-8SG1
Position feedback module(4 ... 20 mA)

- Non explosion-proof
- Explosion protection

6DR6003-8J
6DR6003-6J
Alarm module, electrical

- Non explosion-proof
- Explosion protection

6DR6003-8A
6DR6003-6A
Cover plate for solenoid valve interface¹⁾

- Aluminum

6DR6003-8SC1
Documentation

Operating Instructions

- German
- English

A5E01258635
A5E01258666

Compact operating instructions

- English, French, German, Spanish, Italian, Dutch

A5E03355498

- English, Estonian, Latvian, Lithuanian, Polish, Romanian

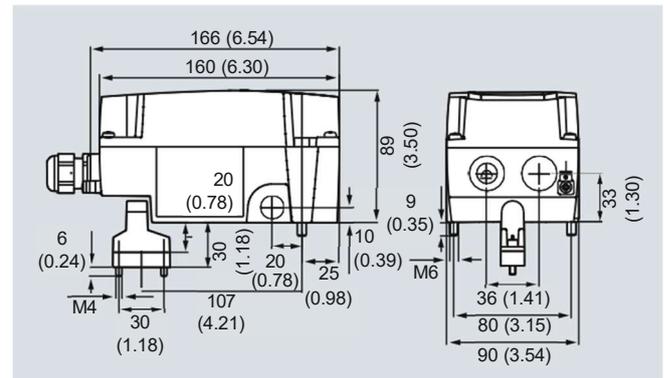
A5E03355513

- English, Bulgarian, Czech, Finnish, Slovakian, Slovenian

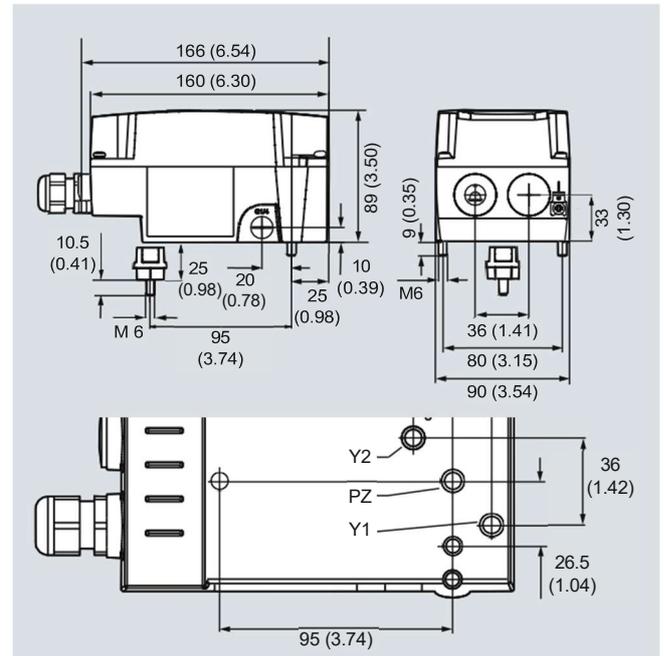
A5E03359515

- English, Danish, Greek, Portuguese, Swedish, Hungarian

A5E03359529
¹⁾ available soon

Dimensional drawings


Linear actuator, dimensions in mm (inch)



Rear side, dimensions in mm (inch)