

Electro-Pneumatic Positioner TZIDC-200

10/18-0.32 EN

Intelligent Positioner, with Flameproof Enclosure

Ordering information																			
Catalog No.										Code	USD	Deliv. time							
Electro-Pneumatic Positioner TZIDC-200 intelligent, software-configurable with local communication interface (LKS) and HART communication										V18348-	0								
Case/Mounting																			
Case made of aluminium, varnished, protection IP 65 / NEMA 4X For mounting to linear actuators acc. to DIN/IEC 534 / NAMUR or to rotary actuators acc. to VDI/VDE 3845										1									
As above, but with mechanical position indicator										2									
For integral mounting to control valves										3									
As above, but with mechanical position indicator										4									
For mounting to rotary actuators acc. to VDI/VDE 3845 with extended rotation angle up to 270°										5									
As above, but with mechanical position indicator										6									
See Options/Accessories for customer-specific mounting Please specify the actuator type and type of mounting																			
Note: Special mounting material is required (see "Accessories")																			
Operation																			
with operator panel and display integrated in the enclosure cover										1									
Explosion protection																			
ATEX Ex II 2 G EEx d IIC T4, T5, T6										1									
FM/CSA Class 1, Div. 1, Group C-D (explosion-proof)										2									
ATEX EEx ib and EEx d IIC T6										3									
FM/CSA intrinsically safe and explosion-proof										4									
IECEX Ex ib IIG T6										5									
other explosion protection certificates upon request																			
Output/safe position (in case of an electrical power failure)																			
Single acting, fail safe										1									
fail freeze										2									
Double acting, fail safe										3									
fail freeze										4									
Connections																			
Cable: Thread M20 x 1.5 Air pipe: Thread G 1/4										1									
Cable: Thread M20 x 1.5 Air pipe: Thread 1/4-18 NPT										2									
Cable: Thread 1/2-14 NPT Air pipe: Thread 1/4-18 NPT										3									
Option modules for analog or digital position feedback																			
Without										0									
Plug-in module for analog position feedback, signal range 4...20 mA, two-wire										1									
digital position feedback										3									
analog position feedback, sign. range 4...20 mA, two-wire and digital position feedback										4									
shutdown module										5									
Optional mechanical kit for digital position feedback																			
without										0									
Mechanical kit for digital position feedback																			
With proximity switches SJ2-SN (NC or logical 1)										1									
With proximity switches SJ2-S1N (NO or logical 0)										3									
with 24V DC/AC microswitches (change-over contacts)										4									

- 1) only with cable connection NPT thread
- 2) EEx d cable glands see accessories
- 3) only for ambient temperature range -25...+85 °C
- 4) only for Ex d version

Continued on next page

Standard Products =
Consult Factory = CF

Ordering information (continued)				
	Catalog No.	Code	USD	Deliv. time
Electro-Pneumatic Positioner TZIDC-200 intelligent, software-configurable with local communication interface (LKS) and HART communication	V18348-			
Parameter setting/bus address				
Factory setting for HART devices		1		
Customized parameter setting for HART devices		2		
Design (varnish/coding)				
Standard		1		
As specified (on request)		2		
Device identification label (provide list, if available)				
without		0		
label including text (plain text, max. 16 letters), with separate sticker		1		
same as above, but with separate stainless steel label 11.5 x 60 mm		2		
Certificates				
SIL2 - Declaration of conformity			CS2	
Certificate of compliance with the order acc. to EN 10204-2.1 (DIN 50049-2.1)			CF1	
Certificate of compliance with the order acc. to EN 10204-2.1 (DIN 50049-2.1) with item description			CF2	
Test Report acc. to EN 10204-2.2 (DIN 50049-2.2)			CF3	
Constructors test certificate O acc.to DIN 55350-18-4.2.2			CH1	
Constructors test certificate M acc.to DIN 55350-18-4.2.2 with item description			CH3	
Constructors test certificate M acc.to DIN 55350-18-4.2.2 with item description and diagram			CH4	
Inspection Certificate 3.1B acc. to EN 10204 with max. deviation			CBA	
Inspection Certificate 3.1B acc. to EN 10204 with add. data and item description			CBB	
Test Certificate & Letter of Conformity with item description			CTC	

Accessories				
	Catalog No.	Code		Deliv. time
Mounting material and cost				
Attachment kit for linear actuators (lateral attachm. to DIN/IEC 534 / NAMUR)				
Stroke 10... 35 mm	7959125			
Stroke 20...100 mm	7959126			
Attachment kit for integral mounting to				
23/24 and 23/25 cont. valve	DN 15 up to DN 100, stroke 10...35 mm	7959106		
	DN 125 up to DN 150, stroke 25...65 mm	7959107		
23/26 control valve	DN 25 up to DN 100, stroke 10...35 mm	7959108		
	DN 125 up to DN 162, stroke 25...65 mm	7959109		
Attachment kit for rotary actuators (mounting to VDI/VDE 3845), consisting of				
a) Adapter (shaft coupler)		7959110		
b) Mounting bracket, dimensions	A/B = 80/20 mm	319603		
	A/B = 80/30 mm	319604		
	A/B = 130/30 mm	319605		
	A/B = 130/50 mm	319606		
see separate data sheet for specific mounting				
Mounting cost, material and adjustment				
for mounting to linear actuators to DIN/IEC 534 / NAMUR				
or to rotary actuators to VDI/VDE 3845				
External tubing with	Plastic tube	319628		
	Copper pipe	319629		
	Stainless steel pipe	319630		
for integral mounting to 23/24, 23/25 or 23/26 control valves				
Internal tubing		319627		
External tubing with	Copper pipe	7959015		
	Stainless steel pipe	7959016		

Continued on next page

1) External tubing only for 23/24 and 23/25 control valves with "air to close/spring to open" action, otherwise internal tubing only

Standard Products =
Consult Factory = CF

Accessories			
	Catalog No.	USD	Deliv. time
Pressure gauge block			
Pressure gauge block, including attachment material			
for single acting TZIDC-200, with 2 pressure gauges Ø 28 mm (1 x for air supply and 1 x for output pressure)			
G 1/4 connections	Supply pressure range 0...10 bar/ 0...140 psi		
	Output pressure range 0...4 bar/ 0...60 psi	7959111	
	Output pressure range 0...10 bar/ 0...140 psi	7959112	
1/4-18 NPT connections	Supply pressure range 0...10 bar/ 0...140 psi		
	Output pressure range 0...4 bar/ 0...60 psi	7959113	
	Output pressure range 0...10 bar/ 0...140 psi	7959114	
for double acting TZIDC-200, with 3 pressure gauges Ø 28 mm (1 x for air supply and 2 x for output pressure)			
G 1/4 connections	Supply pressure range 0...10 bar/ 0...140 psi		
	Output pressure range 0...4 bar/ 0...60 psi	7959115	
	Output pressure range 0...10 bar/ 0...140 psi	7959116	
1/4-18 NPT connections	Supply pressure range 0...10 bar/ 0...140 psi		
	Output pressure range 0...4 bar/ 0...60 psi	7959117	
	Output pressure range 0...10 bar/ 0...140 psi	7959118	
(Pressure gauge blocks are delivered as separate units for mounting by the customer)			
Filter regulator			
Brass filter regulator, incl. material for mounting to pressure gauge block			
Connections	Thread G 1/4	7959119	
	Thread 1/4-18 NPT	7959120	
(Filter regulators are delivered as separate units for mounting by the customer)			
PC adapter for communication			
LKS adapter	see Data Sheet 10/63-6.71 EN	Refer To	
FSK modem	see Data Sheet 10/63-6.71 EN	TZID-C	
DSV401 (SMART VISION) on CD-ROM	see Data Sheet 10/63-1.20 EN	Accessories	
Option modules (can be added later)			
Plug-in module for analog position feedback, signal range 4...20 mA, 2-wire		7959128	
Plug-in module for digital position feedback		7959129	
Plug-in module for shutdown function		7959199	
Kit for	mechanical position indicator	7959238	
Kit for	digital position feedback		
	with 24 V DC/AC microswitches (change-over contacts)	1) 7959230	
	with proximity switches SJ2 - SN (NC or logical 1)	7959231	
	SJ2 - S1N (NO or logical 0)	2) 7959232	
Kit for	digital position feedback with existing		
	mechanical position indicator exist		
	with 24 V DC/AC microswitches (change-over contacts)	1) 7959240	
	with proximity switches SJ2 - SN (NC or logical 1)	7959241	
	SJ2 - S1N (NO or logical 0)	2) 7959242	
		3)	
EEx d cable glands			
1 x EEx d cable gland M20x1.5, 1 pipe plug M20x1.5 and securing adhesive		7959244	
2 x EEx d cable glands M20x1.5 and securing adhesive		7959245	
1 x EEx d cable gland 1/2" NPT, 1 pipe plug 1/2" NPT and securing adhesive		7959246	
2 x EEx d cable glands 1/2" NPT and securing adhesive		7959247	

1) only for Ex d version

2) only for ambient temperature range -25...+85 °C

3) for cable diameter 7.2...11.7 mm

Standard Products =
Consult Factory = CF