

Electro-Pneumatic Positioner TZIDC

Intelligent Positioner, compact and efficient

10/18-0.22 EN

Model Code Selector

Ordering information										
		Catalog No.						Code	Deliv. time	
Electro-Pneumatic Positioner TZIDC intelligent, configurable with indicator and operator panel		V18345-	0					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 rotary actuators acc. to VDI/VDE 3845, also ready for integral mounting		1								
as above, but with mechanical position indicator		2								
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								
Note: For attachment according to standard, additional mounting material is required (see "Accessories")										
Input/communication port Input 4...20 mA, two-wire with connector plug for LKS adapter		1								
with connector plug for LKS adapter and FSK module for HART communication		2								
Explosion protection without		0								
ATEX Ex II 2 G EEx ib II C T6		1								
FM/CSA		2								
ATEX EEx n A II T6		4								
IECEX Ex ib IIC T6		5								
IECEX Ex nA II T6		6								
ATEX Ex II 2 G EEx ia II C T6		7								
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		4								
fail freeze		5								
Connections Cable: Thread 1/2-14 NPT Air pipe: Thread 1/4-18 NPT		2								
Cable: Thread M20 x 1,5 Air pipe: Thread 1/4-18 NPT		5								
Cable: Thread M20 x 1,5 Air pipe: Thread G 1/4		6								
Option modules for analog or digital position feedback Without		0								
Plug-in module for analog position feedback, signal range 4...20mA, two-wire		1								
digital position feedback		3								
shutdown module		4								
analog position feedback, sign. range 4...20 mA, two-wire and digital position feedback		5								
analog position feedback, sign. range 4...20 mA, two-wire and shutdown module		6								
analog position feedback, 48 VDC		7								
Note: The modules for analog and digital position feedback and the kit for digital position feedback (proximity switches) are identical for the positioners with or without explosion protection										
Optional mechanical kit for digital position feedback Without		0								
Mechanical kit for digital position feedback										
With sproximity switches SJ2-SN (NC or logical 1)		2)	1							
With proximity switches SJ2-S1N (NO or logical 0)		2) 3)	3							
With 24 V DC/AC microswitches (change-over contacts)		1) 2)	5							

1) not for explosion protected version

2) only for model with mechanical position indicator

3) only for ambient temperature range -25 °C to +85 °C

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Standard Products =
Consult Factory =

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Ordering information (continued)			
	Catalog No.	Code	Deliv. time
Electro-Pneumatic Positioner TZIDC intelligent, configurable with indicator and operator panel	V18345-		
Design (varnish/coding)			
Standard		1	
Special version chemistry (details on request)		E	
As specified (on request)			
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	
Device identification label			
includes lettering (plain text, max. 16 letters)			
stainless steel 11.5 x 60 mm		MK1	
sticker 41 x 32 mm		MK2	
sticker 11 x 25 mm		MK3	

Accessories			
	Catalog No.	Code	Deliv. time
Mounting material and cost			
Attachment kit for linear actuators (lateral attachment 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		
Mounting cost, incl. 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 1)	7959015		
Stainless steel pipe 1)	7959016		

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

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Accessories			
	Catalog No.		Deliv. time
Pressure gauge block			
Pressure gauge block, including attachment material			
for single acting TZIDC, 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, 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 TZIDC 10/63-6.71 EN	
FSK modem		see Data Sheet TZIDC 10/63-6.71 EN	
DSV401 (SMART VISION)	on CD-ROM	see Data Sheet TZIDC 10/63-6.71 EN	
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 analog position feedback, 48V, without Ex protection		7959194	
Plug-in module for digital position feedback		7959129	
Plug-in module for shutdown function		7959199	
Kit for	mechanical position indicator (including front cover with glass)	7959130	
Kit for	digital position feedback (including front cover with mechanical position indicator)		
	with 24 V DC/AC microswitches (change-over contacts)	7959191	
	with proximity switches SJ2 - SN (NC or logical 1)	7959131	
	SJ2 - S1N (NO or logical 0)	3) 7959132	
Kit for	digital position feedback		
	with 24 V DC/AC microswitches (change-over contacts)	1) 7959190	
	with proximity switches SJ2 - SN (NC or logical 1)	1) 7959133	
	SJ2 - S1N (NO or logical 0)	1) 3) 7959134	
Spare parts			
Spare parts kit		7959198	
I/P module (single acting, fail safe)		2) 7958510	
I/P module (single acting, fail freeze)		2) 7958511	
I/P module (double acting, fail safe)		2) 7958512	
I/P module (double acting, fail freeze)		2) 7958513	

1) only fits for basic model with mechanical position indicator

2) explosion protected version only

3) only for ambient temperature range -25 °C to +85 °C

Standard Products =
Consult Factory = CF