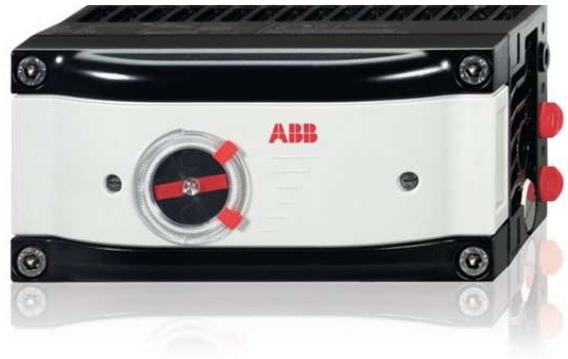


TZIDC-200 Digital Positioner

For highly precise and reliable valve positioning in all industries



Easy Set-Up

- Auto-adjust function
- Simple initialization

Easy handling

- ABB common look and feel

Control adaptive function

- Automatic adjustment of control parameters during operation

High shock and vibration immunity

- Gearless sensor activation

Fail save and fail freeze function

- Selectable safe position of valve

Low air consumption

- Efficient I/P converter

Monitoring of process parameters

- Numerous diagnostic functions available

HART-protocol

Global approvals for explosion protection

- ATEX
- IECEx
- FM, CSA
- EAC TR-CU-012

Wide temperature range

- -40 ... 85 °C (-40 ... 185 °F)

Applicable for nearly all actuators and valves

- Suitable for all pneumatic actuators
- Suitable for rotary and linear actuators
- Suitable for all actuator sizes

Ordering Information

Main ordering information TZIDC-200

Base model	V18348	XX	X	X	X	X	X	X	X	X	X	X
TZIDC-200 digital positioner, with flameproof enclosure, intelligent, software-configurable with Local Communication Interface (LCI) and HART communication												
Case / Mounting												
Case made of aluminium, varnished, for mounting to linear actuators acc. DIN / IEC 534 / NAMUR or to rotary actuators acc. VDI / VDE 3845	10											
Case made of aluminium, varnished, with mechanical position indicator, for mounting to linear actuators acc. DIN / IEC 534 / NAMUR or to rotary actuators acc. VDI / VDE 3845	20											
Case made of aluminium, varnished, for integral mounting to control valves (see dimensional drawing)	30											
Case made of aluminium, varnished, with mechanical position indicator, for integral mounting to control valves (see dimensional drawing)	40											
Operation												
With operator panel and display integrated in the enclosure cover	1											
Explosion Protection												
ATEX Ex d II C T4/T5/T6 Gb												1
FM / CSA Class 1, Div. 1, Group C-D (Explosion-Proof)												1), 6)
FM / CSA Intrinsically Safe und Explosion-proof												1), 6)
IECEX Ex ib IIC T6 Gb												5
IECEX Ex d II C T4/T5/T6 Gb												6
ATEX II 2 G Ex ia IIC T6 resp. T4												7
IECEX ia IIC T6 resp. T4 Gb												K
EAC TR-CU-012 - Ex d IIC T4/T5/T6												6) M
Output / Safe Position (in case of an electrical power failure)												
Single acting, fail safe												1
Single acting, fail freeze												2
Double acting, fail safe												3
Double acting, 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
Cable: Thread G 1/2, air pipe: Thread Rc 1/4												7

Continued see next page

Main ordering information TZIDC-200	X	X	X	X	X
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				
Plug-in module for digital position feedback	3				
Plug-in module for analog position feedback, signal range 4 ... 20 mA, two-wire, and digital position feedback	4				
Optional Mechanical Kit for Digital Position Feedback					
Without	0				
Mechanical kit for digital position feedback with proximity switches SJ2-SN (NC or logical 1)	2)	1			
Mechanical kit for digital position feedback with 24 V AC / DC microswitches (change-over contacts)	3)	3			
Parameter Setting / Bus Address					
Factory setting for HART devices			1		
Design (Varnish / Coding)					
Standard				1	
Higher Stiffness + Lower Air Capacity				H	
Protection Class IP 66				P	
Device Identification Label					
Without					0
Label				4)	1
Stainless steel 18.5 x 65 mm (0.73 x 2.56 in.)				4)	2

Additional ordering information TZIDC-200

	XX	XXX	XXX	XXX
Documentation Language				
German	M1			
Italian	M2			
Spanish	M3			
French	M4			
English	M5			
Swedish	M7			
Finnish	M8			
Polish	M9			
Portuguese	MA			
Russian	MB			
Czech	MC			
Dutch	MD			
Danish	MF			
Greek	MG			
Croatian	MH			
Latvian	ML			
Hungarian	MM			
Estonian	MO			
Bulgarian	MP			
Romanian	MR			
Slovak	MS			
Lithuanian	MU			
Slovenian	MV			
SIL2 - Declaration of Conformity				
SIL2 - Declaration of Conformity	5)	CS2		
Certificate of Compliance				
Certificate of compliance with the order acc. EN 10204-2.1 (DIN 50049-2.1) with item description				CF2
Test report 2.2 acc. EN 10204 (DIN 50049-2.2)				CF3
Inspection Certificate				
Inspection certificate 3.1 acc. EN 10204				CBA

- 1) Only with cable connection NPT thread, Reduced Functionality
- 2) No IECEx
- 3) Only for Ex d version
- 4) Plain text, max. 16 letters
- 5) With single acting, fail safe pneumatic only
- 6) Reduced Functionality

Accessories

Accessories	Order number
Mounting bracketole	
EDP300 / TZIDC Mounting bracket for rotary actuators (mounting to VDI / VDE 3845), dimension A/B = 80/20 mm	319603
EDP300 / TZIDC Mounting bracket for rotary actuators (mounting to VDI / VDE 3845), dimension A/B = 80/30 mm	319604
EDP300 / TZIDC Mounting bracket for rotary actuators (mounting to VDI / VDE 3845), dimension A/B = 130/30 mm	319605
EDP300 / TZIDC Mounting bracket for rotary actuators (mounting to VDI / VDE 3845), dimension A/B = 130/50 mm	319606
Montage Kit	
EDP300 / TZIDC Mounting Kit Uhde Type 4 Stroke 400 mm cropped	7959500
Attachment kit for linear actuators	
EDP300 / TZIDC Attachment kit for linear actuators, stroke 10 ... 35 mm	7959125
EDP300 / TZIDC Attachment kit for linear actuators, stroke 20 ... 100 mm	7959126
Lever	
EDP300 / TZIDC Lever 30 mm	7959151
EDP300 / TZIDC Lever 100 mm	7959152
Adapter	
EDP300 / TZIDC Adapter (shaft coupler) for rotary actuators (mounting to VDI / VDE 3845)	7959110
EDP300 / TZIDC Form - locking shaft adapter	7959371
Pressure gauge block	
TZIDC Pressure gauge block, single acting, black, 2 pressure gauges 28 mm, connectors G 1/4 in., 1 x 0 ... 10 bar / 0 ... 140 psi for air supply, 1 x 0 ... 10 bar / 0 ... 140 psi for output pressure, including attachments	7959112
TZIDC Pressure gauge block, 0.6 MPa, single acting, G 1/4 connection	7959364
TZIDC Pressure gauge block, 0.6 MPa, single acting, Rc 1/4 connection	7959358
TZIDC Pressure gauge block, 0.6 MPa, single acting, NPT 1/4 connection	7959360
TZIDC Pressure gauge block, single acting, black, 2 pressure gauges 28 mm, connectors 1/4 in. NPT, 1 x 0 ... 10 bar / 0 ... 140 psi for air supply, 1 x 0 ... 10 bar / 0 ... 140 psi for output pressure, including attachments	7959114
TZIDC Pressure gauge block, double acting, black, 3 pressure gauges 28 mm, connectors G 1/4 in., 1 x 0 ... 10 bar / 0 ... 145 psi for air supply, 2 x 0 ... 10 bar / 0 ... 145 psi for output pressure, including attachments	7959116
TZIDC Pressure gauge block, 0.6 MPa, double acting, G 1/4 connection	7959365
TZIDC Pressure gauge block, 0.6 MPa, double acting, Rc 1/4 connection	7959359
TZIDC Pressure gauge block, 0.6 MPa, double acting, NPT 1/4 connection	7959361
TZIDC Pressure gauge block, double acting, black, 3 pressure gauges 28 mm, connectors 1/4 in. NPT, 1 x 0 ... 10 bar / 0 ... 140 psi for air supply, 2 x 0 ... 10 bar / 0 ... 140 psi for output pressure, including attachments	7959118
TZIDC Pressure gauge block, double acting, black, 3 pressure gauges stainless steel 28 mm, connectors 1/4 in. NPT, 1 x 0 ... 10 bar / 0 ... 140 psi for air supply, 2 x 0 ... 10 bar / 0 ... 140 psi for output pressure, incl. attachments	7959185
TZIDC Filter regulator, brass, connections thread G 1/4, incl. material for mounting to pressure gauge block	7959119
TZIDC Filter regulator, brass, connections thread 1/4-18 NPT, incl. material for mounting to pressure gauge block	7959120
TZIDC Pressure gauge block black, 2 pressure gauges stainless steel 28mm, Connectors G1/4 in., 1 x 0...10 bar / 0...140 psi for air supply, 1 x 0...10 bar / 0...140 psi for output press, single acting, G 1/4, 0...10 bar, incl. attachments	7959179
TZIDC Pressure gauge block black, 2 pressure gauges stainless steel 28mm, Connectors G1/4 in., 1 x 0...10 bar / 0...140 psi for air supply, 1 x 0...10 bar / 0...140 psi for output press, double acting, G 1/4, 0...10 bar, incl. attachments	7959183



Accessories	Order number
Attachment kit	
EDP300 / TZIDC Attachment kit for Fisher 1051-30, 1052-30	7959214
EDP300 / TZIDC Attachment kit for Fisher 1061 size 130	7959206
EDP300 / TZIDC Attachment kit for Fisher 471	7959195
EDP300 / TZIDC Attachment kit for Fisher 657 / 667 Size 10 ... 90 mm	7959177
EDP300 / TZIDC Attachment kit for Fisher Gulde 32/34	7959344
EDP300 / TZIDC Attachment kit for Gulde DK	7959161
EDP300 / TZIDC Attachment kit for Keystone 79U/E-002(S) ... 79U/E-181(S)	7959147
EDP300 / TZIDC Attachment kit for Masoneilan CAMFLEX II, VARIMAX, MINITORK II	7959144
EDP300 / TZIDC Attachment kit for Masoneilan VariPak 28000 series	7959163
EDP300 / TZIDC Attachment kit for MaxFlo MaxFlo	7959140
EDP300 / TZIDC Attachment kit for NAF 791290	7959207
EDP300 / TZIDC Attachment kit for NAMUR stroke 100 ... 170 mm	7959339
EDP300 / TZIDC Attachment kit for NELES BC6-20, B1C6-20, BJ8-20, B1J8-20	7959146
EDP300 / TZIDC Attachment kite, lever for linear stroke, length 150 ... 250 mm	7959210
TZIDC Attachment kit for Valves Nuovo Pignone, pressure gauge block with 2 manometers, material stainless steel single acting, 1/4 in. NPT, 0...10 bar	7959181
EDP300 / TZIDC Attachment kit for Samson 241, 271, 3271	7959145
EDP300 / TZIDC Attachment kit for Samson 3277	7959136
EDP300 / TZIDC Attachment kit for Schubert&Salzer GS 8020 / 8021 / 8023	7959200
EDP300 / TZIDC Attachment kit for SED SED stroke 100 mm	7959141
EDP300 / TZIDC Attachment for remote sensor control unit (for wall or pipe mounting)	7959381
TZIDC Mounting kit TZIDC-200 Lever 30 mm	7959262
TZIDC Attachment Kent Introl 170 mm	7959376
TZIDC Attachment Kent Introl 250 mm	7959377
Cable gland	
TZIDC-2xx 1 x Ex d cable gland M20 x 1.5, 1 pipe plug M20 x 1.5, securing adhesive	7959244
TZIDC-2xx 2 x Ex d cable glands M20 x 1.5, securing adhesive	7959245
TZIDC-2xx 1 x Ex d cable gland 1/2 in. NPT, 1 pipe plug 1/2 in. NPT, securing adhesive	7959246
TZIDC-2xx 2 x Ex d cable glands 1/2 in. NPT, securing adhesive	7959247