ABB Service Manual

V18345-1017121001

1. Description

V18345-1017121001

3. Product Information

V18345-1017121001 | ABB | TZIDC Electro-Pneumatic Positioner

Manufacturer : ABB

Product No. : V18345-1017121001

V18345 - TZIDC Electro-Pneumatic Positioner

1-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 also ready for integral mounting

0- Electro-Pneumatic Positioner TZIDC = intelligent, configurable with indicator and operator panel

1-Input / communication port : Input 4...20 mA, two-wire with connector plug for LKS adapter

7- Explosion protection : ATEX Ex II 2 G EEx ia II C T6

1- Output / safe position (in case of an electrical power failure) : Single acting, fail safe, fail freeze

2-Connections : Cable: Thread 1/2-14 NPT, Air pipe: Thread 1/4-18 NPT

1- Option modules for analog or digital position feedback: without

0- Optional mechanical kit for digital position feedback

0-Electro-Pneumatic Positioner TZIDC: intelligent, configurable with indicator and operator panel Optional mechanical kit for digit

1-Optional mechanical kit for digital position feedback : Mechanical kit for digital position feedback, with proximity switches SJ2-SN (NC or logical 1)

Output signal (two-wire technology) Nominal range : 4 ... 20 mA

Digital input : Control voltage 0 ... 5 V DC logical switching state "0" 11 ... 30 V DC logical switching state "1"

Digital output (control circuit to DIN 19234/NAMUR) Supply voltage : 5 ... 11 V DC

Supply pressure : 1.4 ... 6 bar (20 ... 90 psi)

Air consumption : < 0.03 kg/h / 0.015 scfm (independent of supply pressure)

Housing Material/Protections : Aluminum, protection class IP 65 / NEMA 4X

Surface/color : Electrostatic dipping varnish with epoxy resin, stove-hardened. Case varnished black, RAL 9005, matte, housing cover Pantone 420.

Pneumatic connections : Threads G 1/4 or 1/4-18 NPT

Weight : 1.7 Kg