ABB Service Manual

V18345-1021120001

1. Description

V18345-1021120001

3. Product Information

V18345-1021120001 | ABB | TZIDC Valve Positioner

Manufacturer : ABB

Product no : V18345-1021120001

Product type : Electro-Pneumatic Positioner TZIDC

V18345 : TZIDC = intelligent, configurable with indicator and operator panel

Case : 10 = Aluminum Case IP 65 (NEMA 4X) No Mechanical Indicator

Input/Communication : 2 = 4-20ma with LKS Adapter with connector plug for LKS adapter and FSK module for HART communication

Explosion protection : 1 = FM/CSA

Output / safe position : 1 = Double Acting, Fail Freeze

Connections : 2 = Electrical: 1/2-14 NPT; Air: 1/4-18 NPT

Analog Feedback : 0 = without

Mech Feedback : 00 = None

Design : 1 = Standard

Ambient temperature

_x0001_40 °C to +85 °C for operation, storage and transport

_x0001_25 °C to +85 °C with proximity switches SJ2_x0001_S1N (NO)

Relative humidity

Operational (with closed housing and air supply switched on):

95 %(annual average), condensation permissible

Transport and storage:

75 % (annual average), non_x0001_condensing

Case

Material/Protections

Aluminum, protection class IP 65 / NEMA 4X

Surface/color

Electrostatic dipping varnish with epoxy resin, stove_x0001_hardened

Case varnished black, RAL 9005, matt,

Cap Pantone 420

Electrical connections

Screw terminals:

max. 1.0 mm2 for options, max. 2.5 mm2 for analog signal

NOTICE: Do not expose the terminals to strain!

Cable entry:

2 threads 1/2_x0001_14 NPT or M20x1.5

(1 with cable gland and 1 with pipe plug)

Pneumatic connections

Threads G 1/4 or 1/4_x0001_18 NPT