ABB Service Manual

V18347-2041150001

1. Description

Part Number: V18347-2041150001

2. Specifications

Specification	Value
Model:	**V18347 - TZIDC-120 Electro-Pneumatic Positioner, for FOUNDATION Fieldbus, intelligent, configurable, with indicator and operator panel**
Case/mounting:	**20 - Case made of aluminium, varnished, with mechanical position indicator, for mounting to linear actuator acc. DIN/IEC 534/NAMUR or to rotary actuators acc. VDI/VDE 3845**
Input/Communication	**Port: 4 - FOUNDATION Fieldbus**
Explosion	**Protection: 1 - ATEX EEx ia IIC T6**
Output/Safe	**Position (in case of an electrical power failure): 1 - Single acting, fail safe**
Connections:	**5**
Cable:	**Thread M20 x 1.5**
Air	**pipe: Thread 1/4-18 NPT**
Option	**Module for Shutdown Function: 0 - Without**
Option	**Mechanical Kit for Digital Position Feedback: 00 - Without**
Design	**(Varnish/Coding): 1 - Standard**

3. Product Information

Part Number: V18347-2041150001

Type: TZIDC-120 Electro-Pneumatic Positioner

Brand: ABB

Technical Specifications

Model: V18347 - TZIDC-120 Electro-Pneumatic Positioner, for FOUNDATION Fieldbus, intelligent, configurable, with indicator and operator panel

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Cable: Thread M20 x 1.5

Air pipe: Thread 1/4-18 NPT

Option Module for Shutdown Function: 0 - Without

Option Mechanical Kit for Digital Position Feedback: 00 - Without

Design (Varnish/Coding): 1 - Standard

Environmental capabilities

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

Weight

1.7 kg