

ABB TZIDC VALVE POSITIONERS

Product Data Sheet

V18345-2010421001

TZIDC electro-pneumatic positioner

FUNCTION	FAMILY	ORIGIN	WEIGHT
TZIDC electro-pneumatic positioner	ABB TZIDC valve positioners	Sweden	1.70 kg

ABB V18345-2010421001 is a TZIDC electro-pneumatic positioner for the ABB TZIDC valve positioners. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Exact Article Code	V18345-2010421001
Product Class	Tzidc Electro-Pneumatic Positioner
Product Family	ABB TZIDC valve positioners
Input Signal	4 to 20 mA two-wire
Air Supply	1.4 to 6 bar
Output Pressure	0 to supply pressure
Stroke Range	Linear 3 to 150 mm
Rotation Range	30° to 120°
Operating Temperature	–40 to +85 °C
Protection Rating	IP65 / IP66

ADDITIONAL PRODUCT DATA

Communication	HART protocol
Safety Capability	SIL 2 applications
Commissioning	Single-pushbutton auto-adjustment

OFFICIAL APPLICATIONS

- Manage clean-in-place transfer with Tzidc Electro: At the control layer of the CIP supply and return headers, V18345-2010421001 performs its assigned control role as a TZIDC electro-pneumatic positioner. During sanitation transition, the system uses this function to coordinate valve paths and pump availability, helping it complete sanitation without cross-routing product.
- Synchronize cooling-water circulation with Tzidc Electro: Inside the circulating pumps and heat exchangers, V18345-2010421001 provides its specified system function as a TZIDC electro-pneumatic positioner. During controlled shutdown, the system uses this function to sequence redundant equipment around the operating unit, helping it keep heat rejection available to the process.
- Observe pallet transfer during blocked-zone recovery: At the control layer of the turntables, lifts and shuttle cars, V18345-2010421001 handles its designated signal or control duty as a TZIDC electro-pneumatic positioner. During blocked-zone recovery, the system uses this function to re-establish the transfer path after the obstruction clears, helping it resume flow without losing tracking data.

SYSTEM COMPATIBILITY

Match V18345-2010421001 to the installed ABB TZIDC valve positioners, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[ABB official product documentation and manufacturer catalog](#)

AMIKON PRODUCT SUPPORT

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