TZIDC

Product Data Sheet

V18345-2010421001

Electro-pneumatic valve positioner

COMMAND INPUT	PNEUMATIC ACTION	MECHANICAL INDICATION	POSITION FEEDBACK
4-20 mA, two-wire	**Double acting, fail-safe**	**Position indicator fitted**	**4-20 mA analog feedback module**

ABB V18345-2010421001 is a TZIDC electro-pneumatic positioner with a two-wire 4-20 mA command input. Its order code specifies double-acting fail-safe pneumatics, a mechanical position indicator and an analog position-feedback module. The varnished aluminum enclosure has an IP65 / NEMA 4X protection classification.

01 TECHNICAL DATA

Command input	4-20 mA, two-wire
Pneumatic action	Double acting, fail-safe
Mechanical indication	Position indicator fitted
Position feedback	4-20 mA analog feedback module
Communication execution	Local LKS connector; without HART FSK module
Explosion-protection execution	Without explosion protection
Cable entry	1/2-14 NPT
Air connections	1/4-18 NPT
Supply air pressure	1.4-6 bar
Air consumption	Less than 0.03 kg/h

02 ADDITIONAL PRODUCT DATA

Housing	Aluminum; IP65 / NEMA 4X
Position deviation	Less than 0.5%
Conversion resolution	Greater than 16000 steps
Sampling interval	20 ms
Adjustable dead band	0.1-10%

03 PRODUCT FUNCTION

This execution uses a local LKS communication connector without the HART FSK option. It has a 1/2-14 NPT cable entry and 1/4-18 NPT air connections, with a documented supply-air range of 1.4-6 bar. The electronics provide more than 16000 conversion steps and a 20 ms sampling interval, with adjustable travel characteristics and dead band.

04 SYSTEM COMPATIBILITY

Connect the two-wire 4-20 mA command and the separately specified analog-feedback loop to their assigned terminals. Use the local LKS interface for the fitted communication execution. Supply clean instrument air at 1.4-6 bar without exceeding the connected actuator pressure rating.

05 REFERENCE

ABB TZIDC Data Sheet 10/18-0.22-EN Rev. C; specifications and ordering table.

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