AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

V18345-1010221001

Electropneumatic Digital Valve Positioner

TYPE	REFERENCE	FAMILY	SCOPE
Electropneumatic Digital Valve Positioner	**V18345-1010221001**	**TZIDC**	**Scoped verified data**

ABB V18345-1010221001 is a TZIDC electropneumatic digital positioner that converts a two-wire 4-20 mA demand into pneumatic positioning action. Its order code identifies a single-acting, fail-freeze configuration, with an aluminum housing and an analog position-feedback option.

01 DOCUMENTED PRODUCT REFERENCE

Demand input	4-20 mA; two-wire
Local configuration interface	LCI adapter connector
Pneumatic action	Single acting
Electrical supply-loss behavior	Fail freeze
Analog position feedback	4-20 mA; two-wire plug-in option
Cable entry	1/2-14 NPT
Pneumatic connection	1/4-18 NPT
Supply-air pressure	1.4 to 6 bar; standard design

Evidence-limited technical summary; no unsupported electrical ratings added.

02 TECHNICAL DATA

Pneumatic output range	0 to 6 bar; standard design
Steady-state air consumption	Less than 0.03 kg/h
Instrument-air maximum particle size	5 micrometres
Instrument-air maximum oil content	1 mg/m3
Control deviation	0.5% maximum
Adjustable dead zone	0.1 to 10%
Measuring angle	270 degrees

03 APPLICATION AND CONFIGURATION

- V18345-1010221001 and complete supplied marking
- Correct demand, analog feedback and NPT fittings
- Single-acting fail-freeze configuration
- Qualified installation and functional acceptance
- Use the applicable manufacturer safety and installation instructions.

04 OFFICIAL DOCUMENTATION

ABB DS/TZIDC-EN Rev F, specifications and ordering information

Only the stated model-specific facts and explicitly scoped family data are summarized; unknown electrical ratings are excluded.

Independently prepared Amikon reference summary, not an original manufacturer manual. Ratings apply only under their documented conditions. Confirm the supplied marking and approved configuration before selection, installation or replacement.

AMIKON PRODUCT SUPPORT

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