ABB V18345-1010261001

Digital Positioner / Exact identity and technical profile

This reference separates the exact published characteristics of ABB V18345-1010261001 from neighboring family variants and undocumented suffixes.

Base model	V18345 TZIDC
Case / mounting	Varnished aluminium; linear or rotary actuator mounting
Input	4-20 mA two-wire with LCI connector
Communication	HART
Explosion-protection selection	Without explosion protection
Pneumatic output	Single acting

TECHNICAL MARKER

4-20 mA two-wire / HART

TECHNICAL MARKER

Single acting, fail freeze

TECHNICAL MARKER

M20 x 1.5 and G 1/4 connections

TECHNICAL MARKER

4-20 mA analog feedback module

Technical boundary

The exact model and its published data govern this reference. Similar family names, suffixes or physical appearance do not establish the same electrical or software behavior.

Identity evidence	Read V18345-1010261001 from the installed label and procurement record
Function evidence	Confirm the published digital positioner role in the TZIDC Digital Positioner system
Configuration evidence	Retain the project, mapping, range, address or interface assigned to this position
Release evidence	Link final diagnostics to a witnessed field or operator response

TECHNICAL DECISION

Accept V18345-1010261001 only when its identifier and installed-system role agree.

CHANGE BOUNDARY

Any redesign beyond the documented V18345-1010261001 position requires separate engineering approval.

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Digital Positioner / Published characteristics

This matrix groups the published V18345-1010261001 characteristics that control identification, configuration and engineering review. Each entry remains tied to the exact digital positioner record.

Base model	V18345 TZIDC
Case / mounting	Varnished aluminium; linear or rotary actuator mounting
Input	4-20 mA two-wire with LCI connector
Communication	HART
Explosion-protection selection	Without explosion protection
Pneumatic output	Single acting
Failure behavior	Fail freeze
Cable thread	M20 x 1.5
Air-pipe thread	G 1/4
Feedback option	Plug-in analog feedback, 4-20 mA two-wire
Mechanical attachment kit	Without
Design	Standard

INTERPRETATION

Use every V18345-1010261001 value with the exact installed configuration.

DESIGN RECORD

Retain the drawing, project and channel or interface assignments that make V18345-1010261001 data actionable.

Nameplate check	Manufacturer and full reference agree with the controlled record
Range check	Published operating or signal data agree with the configured use
Interface check	Backplane, terminal, cable, network or memory arrangement is documented
Limit check	Loading, channel count, supply or lifecycle constraint is reviewed
Evidence close	Source title and applicable product record are retained with the decision

NO BORROWED VALUES

Another ABB suffix cannot fill a missing V18345-1010261001 parameter.

ENGINEERING OUTPUT

Record the exact value used, its purpose and any unresolved item before selection.

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Digital Positioner / System role and data flow

Linear control valves

Mounts laterally according to DIN/IEC 534 and NAMUR arrangements.

Rotary control valves

Supports the documented VDI/VDE 3845 rotary mounting form.

Single-acting actuator control

Positions a pneumatic actuator while retaining fail-freeze behavior.

Valve-position feedback

Returns a separate 4-20 mA position signal through the selected module.

Signal and configuration path

Field layer	Sensors, loads, terminal or operator interface assigned by the design
Module layer	V18345-1010261001 performs its published digital positioner role
Control layer	PLC project, address map or runtime application interprets the exchanged data
Acceptance layer	Diagnostics and intended process response are witnessed together

Engineering boundary

Application examples describe system roles only. They do not establish automatic interchangeability, replacement approval or suffix equivalence.

Observed input	Field, network or operator condition presented to V18345-1010261001
Published action	The documented digital positioner function processes that condition
Configured interpretation	PLC logic, HMI project or station mapping assigns system meaning
Expected output	A defined state, value, message or command is produced
Acceptance proof	The complete path is witnessed under controlled conditions

APPLICATION RECORD

Tie each V18345-1010261001 use case to the installed drawing or project tag.

EXCEPTION CONTROL

Document and resolve any behavior that differs from the approved response.

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Digital Positioner / Engineering decisions

SUPPORTED IDENTITY

V18345-1010261001

PUBLISHED FUNCTION

Digital Positioner

SYSTEM CONTEXT

TZIDC Digital Positioner

UNSUPPORTED INFERENCE

A nearby model, suffix or family resemblance

Model-specific questions

Which product family contains ABB V18345-1010261001?

It is an ABB TZIDC digital positioner.

Which pneumatic action applies to ABB V18345-1010261001?

The selected execution is single acting with fail-freeze behavior.

Which feedback module is included with ABB V18345-1010261001?

The order code selects plug-in two-wire analog position feedback with a 4-20 mA signal.

Which actuator mounting forms apply to ABB V18345-1010261001?

Its aluminium case supports documented linear DIN/IEC 534/NAMUR or rotary VDI/VDE 3845 mounting.

Which input signal is selected for ABB V18345-1010261001?

The order code selects a 4-20 mA two-wire setpoint input with LCI connection and HART communication.

Which cable and air threads are selected for ABB V18345-1010261001?

It uses an M20 x 1.5 cable thread and a G 1/4 air-pipe thread.

Is explosion protection selected for ABB V18345-1010261001?

No. The relevant order-code position specifies the execution without explosion protection.

What completes commissioning of ABB V18345-1010261001?

Verify automatic adjustment, full actuator travel, setpoint response, HART access, fail-freeze behavior and analog feedback.

Decision closeout

Close the V18345-1010261001 technical review with the exact identifier, applicable published limits and the installed configuration assumptions explicitly recorded.

Question coverage	Identity, function, configuration and field handling addressed
Open item	Any unanswered exact-model point is listed without guessed data
Decision owner	Responsible engineering or maintenance role identified
Supporting record	Drawing, project revision, readings and witnessed result attached

APPROVAL

The V18345-1010261001 decision is accepted only within the documented scope.

REVIEW TRIGGER

A different suffix, wiring arrangement, project or application requires a new review.

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Digital Positioner / Evidence and support

Exact product	ABB V18345-1010261001
Technical class	Digital Positioner
Platform	TZIDC Digital Positioner
Evidence use	Exact-model characteristics and engineering boundary
Record with	Installed drawing, project and acceptance evidence

Retained evidence	Nameplate, source title, configuration baseline and field record
Installation evidence	Isolation, conductor/connector record and post-work inspection
Commissioning evidence	Diagnostics, measurements and intended response
Final record	Responsible witness, date, exceptions and approved disposition

VERIFIED APTER POWER CATALOG REFERENCES

Navigation only; compatibility, substitution and manufacturer endorsement are not implied.

ABB V18345-2010421001	View ABB V18345-2010421001 page
ABB 1TGE102009R2300	View ABB 1TGE102009R2300 page

MANUFACTURER EVIDENCE RECORD

ABB TZIDC Digital Positioner Data Sheet

DS/TZIDC-EN Rev. I, exact V18345 ordering code

CONTACT APTER POWER

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com

Send the exact model, quantity, destination and requested condition for a quotation.