



3723X

32-Point TMR Analog Input Module with HART

Product scope

- Provides thirty-two commoned 0–5 VDC analog input points in a TMR design.
- Passes supported HART device data through the Tricon CX architecture.
- Works with the documented current-input ETP options and 9769X FET connector.

Manufacturer source

Schneider Electric Tricon CX Addendum to Tricon User Guides 9791042-002 Rev. 3.

This web-optimized copy retains only product-relevant manufacturer information.

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3723X verified technical reference

32-Point TMR Analog Input Module with HART

Exact product identity

Triconex 3723X is a 32-point commoned 0–5 VDC TMR analog input module with HART pass-through for current-loop field devices.

Manufacturer	Triconex
Model	3723X
Product family	Tricon CX
Product type	HART TMR Analog Input Module
Architecture	TMR analog input with HART
Input points	32 single-ended
Input range	0–5 VDC
Field signal	4–20 mA through supported terminations
HART	Pass-through supported
FET connector	9769X, 32 points
Compatible ETPs	9760X-210RF, 9761X-210RF, 9765X-210RF, 9771X-210RF
Nonincendive ETPs	9789X-610RF, 9791X-610RF
System family	Tricon CX

Manufacturer source

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3723X engineering review

32-Point TMR Analog Input Module with HART

Configuration and integration

Triconex 3723X combines thirty-two single-ended analog inputs with HART pass-through in the Tricon CX I/O architecture. The points use a commoned 0–5 VDC measurement arrangement and triplicated processing.

Process current is converted for acquisition while HART information is carried to supported asset-management paths. The module provides the diagnostics and fault-tolerant behavior expected from the Tricon CX platform.

Termination selection determines two-wire, three-wire and nonincendive field options. Confirm the ETP, 9769X FET connector, interface cable and configured HART path before installation.

Installation attention

3723X HART pass-through depends on the supported termination path; confirm the ETP, 9769X connector and chassis topology before commissioning.

Verified functional points

Applications

- Acquires 4–20 mA measurements for emergency shutdown and critical-process logic.
- Transfers HART maintenance information from compatible field transmitters to supported host tools.
- Supports dense analog marshalling in Tricon CX I/O expansion chassis installations.

HART

- HART pass-through carries device information without replacing the primary analog process measurement.
- Compatible field instruments must use the supported HART communication and current-loop arrangement.
- The host path must be engineered through the Tricon CX communication and termination architecture.

Acquisition

- Thirty-two single-ended points provide high-density analog input coverage.
- The commoned 0–5 VDC measurement structure serves current-loop signals through approved terminations.
- Triplicated channels maintain fault-tolerant input processing for the safety controller.

Termination

- The 9769X FET connector links the module to compatible external termination panels in an 8131X chassis.
- Two-wire, three-wire and nonincendive ETP choices are documented for different field circuits.
- Panel selection must preserve point count, cable interface and the intended loop-power arrangement.

Source record

Schneider Electric Tricon CX Addendum to Tricon User Guides 9791042-002 Rev. 3.



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