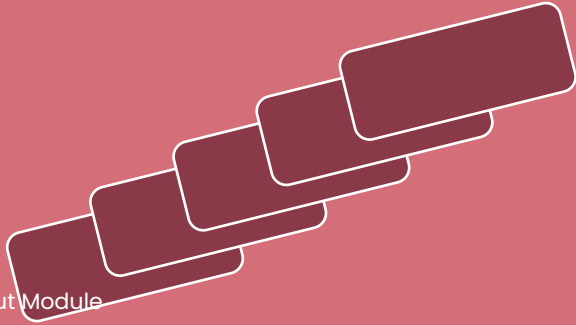


MANUFACTURER-SOURCE TECHNICAL REFERENCE

Alstom LD106

CE2000 I/O Identity and Integration Guide

ALSTOM Power ALSPA LD106 16-Point 48 VDC Static Logic Output Module

**DOCUMENT SCOPE**

Independent Apter Power manual compiled only from the cited Alstom manufacturer sources. No product photograph is included.

Product / lookup identity	Alstom LD106
Reference number	LD106
Document basis	Published Alstom product records, PDFs, and manuals listed on page 3

**Product page**

<https://www.apterpower.com/Alstom/Ld106>
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CE2000 field-signal path

ALSTOM Power LD106 is identified in the ALSPA P320 System Definition Manual as a CE2000 logic-output module with 16 discrete points. Within a CE2000 controller, the module receives logic commands through the controller's I/O/backplane structure and switches discrete 48 VDC process outputs for field-control circuits.

01	Within a CE2000 controller, the module receives logic commands through the controller's I/O/backplane structure and switches discrete 48 VDC process outputs for field-control circuits. The P320 manual describes CE2000 I/O modules as using backplane power for module electronics and a separate process supply for sensors or actuators, but it does not provide the exact LD106 channel current, output protection, isolation or response time in the reviewed pages.
02	LD106 belongs to the ALSPA P320 automation architecture, where CE2000 high-quality controllers connect to an F8000 fieldbus in an automation cell. Appropriate scenarios include maintaining existing static-output points, commanding compatible plant actuators through engineered interface circuits, and preserving field wiring during a controls modernization; all load and safe-state details must follow the plant's LD106 Technical Data Sheet and drawings.
03	GE Vernova classifies ALSPA as a legacy technology that it continues to service and offers migration to Mark VIe. GE's ControlST release notes state that PCEG V05.16.00C supports LD106 for an ALSPA DCS Retrofit, but those same notes call the board a digital input, conflicting with ALSTOM's dedicated output-module table; publication and replacement work must retain this conflict as a verification gate.

Conflicting I/O identity and system boundaries

01	Status: CONDITIONAL - nameplate, wiring drawing and unit-specific technical data sheet required
02	Required Action: Require a clear ALSTOM/ALSPA nameplate photo and the site wiring/slot drawing. Obtain the unit-specific LD106 Technical Data Sheet from GE Vernova or the plant documentation set and resolve the input/output wording conflict before energization or final publication.
03	Confusion To Avoid: Do not confuse LD106 with LE-series logic-input modules or LC105/LC106 relay/contact output modules, and do not copy specifications from unrelated products that share the LD106 code.

Identity and wiring checks

01	Require an ALSTOM/ALSPA nameplate and CE2000 slot/wiring context; the bare code LD106 is not unique enough for identification.
02	Resolve the official-document conflict before energization: the ALSTOM hardware table says 16 logic outputs, while GEI-100746 says 16 static digital inputs.
03	Verify the exact 48 VDC powered negative-output wiring and load polarity from the unit drawing; do not translate 'negative output' into a sourcing/sinking claim without the technical data sheet.
04	Do not assume per-channel current, total load, fuse/protection, isolation, leakage, response time or safe-state values; none were verified in the reviewed official exact-module sources.
05	Do not substitute LC105, LC106 or LE-series modules by point count alone; their signal direction, switching method, voltage and isolation differ.
06	For a PCEG retrofit, confirm IS420PCEGH1A hardware, PCEG V05.16.00C or the GE-approved later compatibility package, ToolboxST configuration and the complete channel allocation before download.

Identity and release controls

Status	CONDITIONAL - nameplate, wiring drawing and unit-specific technical data sheet required
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Official Alstom sources

Power Plant Automation and Control Lifecycle Services	https://www.gevernova.com/steam-power/services/automation-controls/lifecycle-services
Power Plant Automation and Control Upgrades	https://www.gevernova.com/steam-power/services/automation-controls/upgrades
2018 Steam Power Product Catalog – Power Automation & Controls	https://www.gevernova.com/content/dam/gepower/global/en_US/documents/PAC_Solutions%20Steam%20Power%20Catalogue.pdf
CE3000-I Gateway Module (PCEG) EU Declaration of Conformity	https://www.gevernova.com/content/dam/gepower-new/global/en_US/downloads/gas-new-site/products/digital-and-controls/certificates/Mark_VIe/European_Union/IS420PCEGH1A_EU-DoC.pdf