

APTER POWER PRODUCT REFERENCE MANUAL

CM30-100S0E0-STD

ControlMaster CM30 1/4 DIN Universal Process Controller

ENGINEERING LENS	ORDERING-CODE INTERPRETATION AND CONTROL-LOOP I/O
SYSTEM	ABB ControlMaster process control
SOURCE CONTROL	Manufacturer-published information only

This original Apter Power manual explains ordering-code interpretation and control-loop I/O using only the manufacturer source named inside the document.

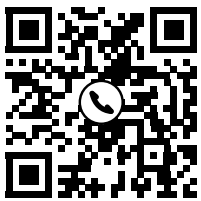
Manufacturer	ABB
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APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Engineering clarity for ordering-code interpretation and control-loop I/O.

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SCAN FOR PRODUCT & QUOTE
CM30-100S0E0-STD

1. Product Identity and System Role

CM30-100S0E0-STD is an ABB ControlMaster CM30 universal process controller in a 1/4 DIN format. Its complete ordering code specifies I/O option 1, basic functionality, no communications option, standard CE approval, 90 to 264 V AC supply, English language, no special feature, and standard factory configuration.

The controller acquires process-variable and setpoint signals through its analog inputs, executes the configured control strategy, and drives the analog output and relay outputs used to regulate industrial temperature, pressure, flow, level, or other process loops.

Model Configuration

Field	Verified information
Complete model	CM30-100S0E0-STD
Manufacturer	ABB
Product description	ControlMaster CM30 1/4 DIN Universal Process Controller
System	ABB ControlMaster process control

Product-Specific Design Focus

ordering-code interpretation and control-loop I/O

2. Technical Specifications and Evidence Boundary

Only values supported by the named ABB source are stated. Where the complete ordering code is absent from public data, the field is explicitly marked for verification.

Parameter	Verified value
Manufacturer	ABB
Controller family	ControlMaster CM30, 1/4 DIN
I/O code 1	2 analog inputs, 1 analog output, 2 relays
Functionality code 0	Basic
Communications code 0	None
Approval code S	Standard CE
Supply code 0	90 to 264 V AC
Language / configuration	English / STD standard configuration

Evidence Note

Use the complete CM30-100S0E0-STD identity. ABB continues to publish the ControlMaster CM30 data sheet. Confirm current availability of the complete 100S0E0-STD configuration at quotation. Values not published in the cited ABB source are intentionally not inferred.

3. Functions, Applications and Matched Components

Core Functions

- The controller acquires process-variable and setpoint signals through its analog inputs, executes the configured control strategy, and drives the analog output and relay outputs used to regulate industrial temperature, pressure, flow, level, or other process loops.
- Preserves the documented role within ABB ControlMaster process control.
- Supports model-specific engineering review without substituting unverified third-party data.

Application Areas

Application	System role
ABB ControlMaster process control	Maintains the documented ordering-code interpretation and control-loop I/O role in a correctly matched installation.
Process and machine automation	Supports the control, communication, power, safety, measurement, or protection duty stated in the official source for this exact or verified family identity.
Lifecycle-controlled maintenance	Requires complete-code, nameplate, host-system, and project verification before replacement or recommissioning.

Compatible Components

- Process transmitters and sensors within the configured CM30 input ranges
- Final control elements matched to the analog output and relay ratings
- A 1/4 DIN panel cutout and wiring arrangement compliant with the CM30 manual

Lifecycle Status

ABB continues to publish the ControlMaster CM30 data sheet. Confirm current availability of the complete 100S0E0-STD configuration at quotation.

4. Installation Precautions

- Match every character of CM30-100S0E0-STD to the physical nameplate before work.
- Use the exact ABB manual, wiring drawing, and safety instructions for the installed revision.
- De-energize and apply the required lockout, discharge, ESD, and stored-energy controls before removal.
- Back up firmware, parameters, controller project, calibration, and network settings where applicable.
- Verify supply, signal type, polarity, grounding, shielding, connector pinout, load, and environmental limits.
- Commission with the manufacturer test procedure and record results before returning equipment to service.

DECISION GATE - Verify before installation

Use the complete CM30-100S0E0-STD identity. ABB continues to publish the ControlMaster CM30 data sheet. Confirm current availability of the complete 100S0E0-STD configuration at quotation. Values not published in the cited ABB source are intentionally not inferred.

Controlling records: physical nameplate, current ABB document, and host-system drawings.

5. Official Source and Use Notice

Official manufacturer source

ABB ControlMaster CM30 Universal Process Controller data sheet and ordering information, DS/CM30.

https://library.e.abb.com/public/dd41e8d617e944478f92bfdef7af6a34/DS_CM30-DE_X.pdf

Apter Power product page

<https://www.apterpower.com/ABB/cm30-100s0e0-std>

Use Notice

This is an original Apter Power model-specific reference prepared from the ABB source named above. It is not a ABB publication and does not replace the original data sheet, nameplate, certificate, installation drawing, safety instructions, or machine-builder documentation.

ASK FOR QUOTE

For availability and a model-specific quotation, visit www.apterpower.com or contact sales13@apterpower.com.