APTER POWER
INDUSTRIAL AUTOMATION

MANUFACTURER-SOURCE TECHNICAL REFERENCE

ABB DO630 3BHT300007R1

Product Reference

ABB S600 digital relay-output module product reference

DOCUMENT SCOPE

Independent Apter Power manual limited to verified identity evidence and any directly relevant ABB sources listed in this document. No product photograph is included.

Product / lookup identity	ABB DO630 3BHT300007R1
Reference number	DO630 3BHT300007R1
Document basis	Published ABB product records, PDFs, and manuals listed on page 3

Product page

https://www.apterpower.com/ABB/do630-3bht300007r1

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Product role and published parameters

WHAT IT IS, WHAT IT DOES, AND WHERE IT FITS

ABB DO630 is an evidence-bounded S600 digital relay-output module. Compatibility boundary: Use only in an ABB S600/AC 160 configuration whose rack, terminal unit, load protection and project drawings explicitly call for DO630. System context: ABB S600 digital relay-output module product reference.

Published field	Manufacturer-published value or verified identity note
Module family	ABB S600 I/O
Outputs	16 relay outputs
Output voltage	24 to 250 V AC/DC
Load current	Maximum 2 A; minimum 20 mA
Switching capacity	AC 500 VA; DC 40 W
Requested part label	3BHT300007R1 - verify nameplate
Verification Status	Verified Model And Requested Part Label Gate

System function and signal path

01	System Inputs: S600 digital relay-output module
02	Processing: Use only in an ABB S600/AC 160 configuration whose rack, terminal unit, load protection and project drawings explicitly call for DO630.

Applications, answers, and official sources

1. Installed-base maintenance: Supports evidence-led identification and maintenance planning for ABB DO630.
2. Compatibility review: Compares the exact model, part label, rack, companion hardware, cable and terminal unit before replacement.
3. Installation planning: Defines the documentation, isolation, wiring and configuration checks required before field work.
4. Commissioning and troubleshooting: Supports controlled channel, communication, diagnostic, alarm and fail-state verification after work.

Frequently asked questions

Is ABB DO630 compatible with my installed controller or rack?	Compatibility is not decided by the model name alone. Match the full label, host family, rack, terminal unit, cable, firmware and project documentation.
What information should I provide with an RFQ?	Provide clear photos of the complete nameplate, front and rear connectors, installed rack/slot, companion hardware and the current project or wiring document reference.
Can this item replace a similar ABB model or suffix?	Not automatically. A sibling, revised suffix, predecessor or successor must be treated as distinct until ABB documentation and the installed project confirm the substitution.
Which applications are appropriate for this product?	Use it only in the ABB host system, rack position, terminal unit and process function shown in approved project documentation.
What must an engineer verify before installation?	Verify isolation, rack position, power, keying, terminal unit, cable, connector, channel mapping, firmware and configuration backup.
Can it be installed or removed while energized?	Treat the module as non-hot-swappable unless the exact ABB hardware manual and site procedure explicitly permit energized replacement.

Official ABB sources

ABB Advant Controller 160 brochure	https://library.e.abb.com/public/a1ad5ab25b7a8c0dc1256ce2006e22e8/3BDD010004R0103_-_de_Avant_OCS__Open_Control_System_-_Avant_Controller_160.pdf
ABB Advant Controllers EU Data Act notice	https://library.e.abb.com/public/09b2dfa056184b6e8828de53de3520c2/7PAA021740_B_en_EU%20DATA%20ACT%20-%20Information%20Notice%20for%20Connected%20Products%2C%20Advant%20Controllers.pdf?x-sign=a8J7hiEPVCWUlXlqulMZ1LQ%2B%2BEDWd%2FLT7KgGRARZfFJe8JYTZZmlpRiw9Wzm6Z%2FI