

MANUFACTURER-SOURCE TECHNICAL REFERENCE

ABB BCAN-11 3AXD50000033816

Product Reference

ABB BCAN-11 +K495 CANopen Screw-Terminal Interface

DOCUMENT SCOPE

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

Product / lookup identity	ABB BCAN-11 3AXD50000033816
Reference number	3AXD50000033816
Document basis	Published ABB product records, PDFs, and manuals listed on page 3



Product page

<https://www.apterpower.com/ABB/bcan-11>
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Product role and published parameters

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

ABB BCAN-II, ordering code 3AXD50000033816, is the +K495 preconfigured CANopen interface with screw terminals for the configured ACS380 machinery-drive variant. It connects the ACS380 control program to a CANopen automation network so a CANopen controller can exchange drive commands and references with drive status and actual values, while parameter and diagnostic access is handled through the drive's embedded-fieldbus implementation and the applicable EDS file. System context: ABB BCAN-II +K495 CANopen Screw-Terminal Interface.

Published field	Manufacturer-published value or verified identity note
Model	BCAN-II
Ordering / MRP code	3AXD50000033816
ACS380 option code	+K495
Interface protocol	CANopen
Network connector	Screw terminal
Host family	ACS380 machinery drives
Host configuration	ACS380-04xC configured variant with +K495

System function and signal path

01	Network Signal: CANopen differential bus carried through the BCAN-II screw-terminal interface; use the exact terminal labels in the host-drive documentation.
02	Cyclic Process Data: Transfers drive commands and reference values from the CANopen controller and returns status and actual values from the ACS380 control program.
03	Acyclic Access: ABB's fieldbus literature states that CANopen supports cyclic and acyclic event-driven communication; use the exact ACS380 firmware/EDS object mapping for parameter and diagnostic access.
04	Drive Mapping: The BCAN-II control macro uses embedded fieldbus selections such as Fieldbus A commands being replaced by EFB reference paths and parameter 58.01 protocol enable set to CANopen.

Applications, answers, and official sources

- 1 CANopen machine-drive control: Connects an ACS380 configured drive to a CANopen controller for command, reference, status, and actual-value exchange.
- 2 Coordinated material handling: Integrates conveyor or handling-machine drives into an engineered CANopen network using the ABB EDS and documented node map.
- 3 Packaged machine automation: Reduces hardwired control signals by using network process data and diagnostics in repeatable ACS380 machine packages.
- 4 CANopen drive diagnostics: Provides the documented CANopen path for reading drive state and engineered parameters without assigning unsupported stand-alone PLC functions to the interface.

Frequently asked questions

What is ABB BCAN-11?	It is the +K495 preconfigured CANopen screw-terminal interface for configured ACS380 machinery drives.
Is 3AXD50000033816 the BCAN-11 model number?	It is the ABB ordering/MRP code. BCAN-11 is the type designation.
Which drive uses BCAN-11?	ABB's exact catalog and hardware manual list it for the ACS380 configured variant, identified as ACS380-04xC with option +K495.
What connector does BCAN-11 use?	ABB lists a screw-terminal CANopen connection.
What data does it exchange?	It carries drive commands and references to the ACS380 and returns status, actual values, and engineered diagnostic or parameter data through the CANopen mapping.
How is CANopen enabled?	ABB's ACS380 quick guide shows the BCAN-11 path using embedded fieldbus with parameter 58.01 Protocol enable set to CANopen.

Official ABB sources

ABB ACS380 catalog	https://library.e.abb.com/public/5d57cb150e6243dda73bd3220fd64a3a/3AUA0000187460_en_F_ACS380%20catalog.pdf
ACS380 drives hardware manual	https://library.e.abb.com/public/2a86caefc9a646d6ba6be02a51401d7c/EN_ACS380_HW_H.pdf
ACS380 machinery control program firmware manual	https://library.e.abb.com/public/0aad9e7886b7413c9e78a9f9cbda652/AMCK220x_en.pdf
ACS380 quick installation and start-up guide	https://library.e.abb.com/public/89017e1efd3a4d0e99269b016c63cc1b/ZH_ACS380_QG_D_A3.pdf
EU Declaration of Conformity – ABB LV drive options	https://library.e.abb.com/public/e1a6374933ff4bf7b13e184d18773338/ABB_LV_DrivesB_options_EU_single_DoC.pdf
ABB drives fieldbus downloads	https://new.abb.com/drives/es/conectividad/fieldbus
ABB general purpose drives ACS580 catalog	https://library.e.abb.com/public/23f124d5399a449fb87ff38a87c6eb97/ACS580_Catalog_3AUA0000145061_RevP_EN%2024-10-2024.pdf