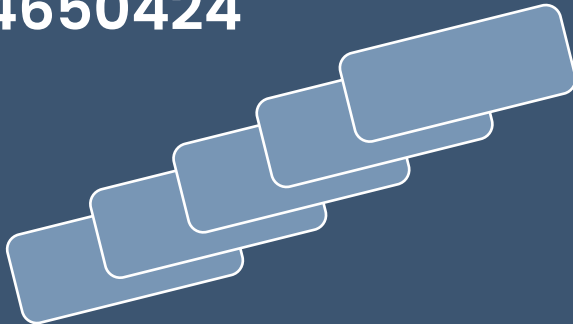


MANUFACTURER-SOURCE TECHNICAL REFERENCE

ABB D2D160-CE02-11 64650424

Product Reference

ABB Long-Life Centrifugal Drive Cooling Fan



DOCUMENT SCOPE

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

Product / lookup identity	ABB D2D160-CE02-11 64650424
Reference number	D2D160-CE02-11
Document basis	Published ABB product records, PDFs, and manuals listed on page 3

**Product page**

<https://www.apterpower.com/ABB/64650424-d2d160-ce02-11>
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Product role and published parameters

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

ABB D2D160-CE02-11, ABB item code 64650424, is a long-life centrifugal cooling fan used in ABB low-voltage AC drive service applications. Its system function is to move cooling air through the drive or converter so power-electronic modules remain within their designed thermal operating conditions; ABB notes that worn fan bearings reduce cooling capability. In the official ACS800-67 wind-turbine-converter hardware manual, D2D160-CE02-11 is the module-fan type for positions U1 and U11.1-2; the combined auxiliary-device table row shows 400 V AC and 2274 W, not a per-fan nameplate wattage. It is used for preventive replacement only where the host drive documentation or bill of material calls for ABB code 64650424 and the exact type, electrical data, connector, airflow and mounting arrangement have been verified.

Published field	Manufacturer-published value or verified identity note
Fan type	Long-life centrifugal fan
ABB item code	64650424
Previous type	D2D160-CE02-11
New type code	D2D160-CE02-11
Documented host example	ACS800-67 wind turbine converter for asynchronous slip-ring generators
Documented position in ACS800-67	Module fan, positions U1 and U11.1-2
Voltage in the ACS800-67 auxiliary-device table	400 V AC

System function and signal path

01	Processed Signal: Not an electronic I/O or measurement module. The fan converts AC electrical power into mechanical airflow.
02	System Effect: Cooling airflow removes heat from the drive/converter module so the equipment can maintain operational capability and reliability.
03	Measured Outputs: No tachometer, alarm, analog-output or digital-output signal is published for this exact fan in the cited ABB sources; do not invent one.

Applications, answers, and official sources

1 ACS800-67 converter-module cooling: Provides the documented module airflow in ABB ACS800-67 wind-turbine converters at the U1 and U11.1-2 fan positions.

2 Low-voltage AC drive thermal management: Maintains cooling in a compatible ABB drive assembly whose official bill of material calls for item code 64650424.

3 Preventive fan replacement: Replaces the documented long-life fan according to the drive-specific ABB preventive-maintenance schedule.

4 Wind-power converter service: Supports cooling maintenance in the documented ACS800-67 asynchronous slip-ring-generator converter application.

Frequently asked questions

What is ABB D2D160-CE02-11?	It is a long-life centrifugal cooling fan listed by ABB for low-voltage AC drive service applications.
What is the ABB item code?	ABB lists 64650424 as the current item code for D2D160-CE02-11.
Did ABB change the fan type code?	For item 64650424, the ABB table shows both the previous and new type code as D2D160-CE02-11.
What does this fan do in a drive?	It moves cooling air through the drive or converter. ABB states that optimum fan cooling supports operational capability and reliability.
Which ABB equipment explicitly documents this fan?	The ACS800-67 wind-turbine-converter hardware manual lists it as the module fan at U1 and U11.1-2.
What voltage and power are listed for that ACS800-67 use?	The ACS800-67 auxiliary-device table shows 400 V AC and 2274 W for the module-fan row covering U1 and U11.1-2. ABB does not label 2274 W as an individual fan nameplate value, so it must not be presented that way.

Official ABB sources

New improved long-life fans for LV AC drives	https://library.e.abb.com/public/3c9550504190466486cf7be1ccde75aa/ABB_New%20long-life_fans_Technical_note_3AUA0000216096%20REV_F_EN.pdf
ACS800-67 (+G314) Wind Turbine Converters for Asynchronous Slip Ring Generators Hardware Manual	https://library.e.abb.com/public/23e36ffeee54d5ba4c9398918e73330/EN_ACS800-67_C236_HW_revA.pdf