

G2E140-PI32-10

ABB G2E140-PI32-10 long-life centrifugal fan

Auxiliary centrifugal cooling airflow for ACS 800 drive modules

PRODUCT SNAPSHOT

BRAND

ABB

FAMILY

ABB Drives auxiliary cooling

PART

G2E140-PI32-10

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PRODUCT OVERVIEW

Auxiliary centrifugal cooling airflow for ACS 800 drive modules

1

Listed by ABB as the G2E140-PI32-10 long-life centrifugal fan

2

Identified by ABB code 10032971

3

Uses a 115 V AC, 60 Hz supply designation

4

Supports auxiliary airflow duty for documented R7i/R8i drive modules

SYSTEM COMPONENTS

Compatible ACS 800 R7i/R8i drive module

115 V AC auxiliary supply

Drive-cabinet fan mounting position

Approved ACS 800 cabinet cooling arrangement

TECHNICAL NOTE

Confirm the complete G2E140-PI32-10 marking and ABB code 10032971, isolate the fan supply, verify the R7i/R8i mounting position and check airflow direction before returning the drive cabinet to service.

TECHNICAL DATA

PARAMETER	VALUE
Type designation	G2E140-PI32-10
ABB code	10032971
Product type	Long-life fan, centrifugal
Rated voltage	115 V AC
Rated frequency	60 Hz

PARAMETER	VALUE
Rated current	1.9 A
Starting current	3.8 A
Documented drive frame	R7i/R8i
Manufacturer	ABB

ENGINEERING NOTE

Confirm the complete G2E140-PI32-10 marking and ABB code 10032971, isolate the fan supply, verify the R7i/R8i mounting position and check airflow direction before returning the drive cabinet to service.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Bently Nevada 330851-02-000-080-10-00-00	Related industrial automation product	View Bently Nevada 330851-02-000-080-10-00-00 page
Bently Nevada 330851-01-000-020-10-00-00	Related industrial automation product	View Bently Nevada 330851-01-000-020-10-00-00 page
Bently Nevada 330850-91-05	Related industrial automation product	View Bently Nevada 330850-91-05 page
Bently Nevada 330876-01-50-01-05	Related industrial automation product	View Bently Nevada 330876-01-50-01-05 page
Bently Nevada 330876-03-10-00-00	Related industrial automation product	View Bently Nevada 330876-03-10-00-00 page
Bently Nevada 32000-28-05-15-080-03-02	Related industrial automation product	View Bently Nevada 32000-28-05-15-080-03-02 page
Bently Nevada 32000-28-05-08-080-03-02	Related industrial automation product	View Bently Nevada 32000-28-05-08-080-03-02 page
Bently Nevada 31000-16-10-00-050-03-02	Related industrial automation product	View Bently Nevada 31000-16-10-00-050-03-02 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

ACS 800 R7i/R8i cabinet cooling

Listed by ABB as the G2E140-PI32-10 long-life centrifugal fan

Drive-module airflow service

Identified by ABB code 10032971

Auxiliary fan replacement

Uses a 115 V AC, 60 Hz supply designation

Controlled thermal-maintenance verification

Supports auxiliary airflow duty for documented R7i/R8i drive modules

PRODUCT PRECAUTIONS

- 1 Verify the complete G2E140-PI32-10 marking and its assigned ABB Drives auxiliary cooling position before work.
- 2 Place the connected acs 800 r7i/r8i cabinet cooling process in the approved maintenance state.
- 3 Isolate applicable power and auxiliary centrifugal cooling airflow for acs 800 drive modules field energy before disconnecting conductors.
- 4 Record connector, conductor, address, firmware and software identities before removal.
- 5 Use ESD controls and protect keyed interfaces, exposed contacts and electronic assemblies.
- 6 Confirm the installed Compatible ACS 800 R7i/R8i drive module and 115 V AC auxiliary supply against the approved project.
- 7 Restore power in a controlled sequence and review device, network and host diagnostics.
- 8 Prove the intended drive-module airflow service function and retain the final test result.

ENGINEER FAQ

Q1 Does G2E140-PI32-10 match Compatible ACS 800 R7i/R8i drive module in a ACS 800 R7i/R8i cabinet cooling installation?

Verify the complete G2E140-PI32-10 marking, the documented ABB Drives auxiliary cooling position and the installed Compatible ACS 800 R7i/R8i drive module before fitting the assembly.

Q3 Which ABB Drives auxiliary cooling records should be captured before removing G2E140-PI32-10?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with G2E140-PI32-10 before disconnection.

Q5 Which 115 V AC auxiliary supply condition should be checked when G2E140-PI32-10 reports an abnormal state?

Check the 115 V AC auxiliary supply supply, seating and connection first, then compare channel diagnostics with the recorded G2E140-PI32-10 baseline.

Q7 What maintenance evidence is required after G2E140-PI32-10 is used for Auxiliary fan replacement?

Retain the nameplate record, corrective action, final diagnostics and a controlled auxiliary fan replacement functional-test result for G2E140-PI32-10.

Q2 How should G2E140-PI32-10 be wired when it must listed by abb as the g2e140-pi32-10 long-life centrifugal fan?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for G2E140-PI32-10; then continuity-test the affected path.

Q4 What controlled test confirms that G2E140-PI32-10 can identified by abb code 10032971?

Apply the approved field or simulated stimulus, observe the ABB Drives auxiliary cooling indication and confirm the intended response without bypassing the normal interlocks.

Q6 Can G2E140-PI32-10 be moved directly into Drive-module airflow service without validating Approved ACS 800 cabinet cooling arrangement?

No. Confirm the Approved ACS 800 cabinet cooling arrangement, revision, connection scheme and ABB Drives auxiliary cooling configuration before transferring G2E140-PI32-10 to that duty.

Q8 How should G2E140-PI32-10 be returned to service in Controlled thermal-maintenance verification?

Restore power under control, verify uses a 115 v ac, 60 hz supply designation, exercise the intended signal path and release G2E140-PI32-10 only after the ABB Drives auxiliary cooling remains in its approved operating state.

SOURCE ABB long-life fans technical note and ACS 800 MultiDrive module installation manual | 3AUA0000216096 Rev. F; ACS800_604LC

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