1SDA073674R1/1SDA073687R1

01 / Opening and closing: two distinct functions

Combined listing identity

ABB 1SDA073674R1/1SDA073687R1 combines two SACE Emax 2 control references: a YO shunt opening release and a YC closing release, both rated 220-240 V AC/DC.

Opening path

Order code	1SDA073674R1
Designation	YO
Role	Shunt opening release

Closing path

Order code	1SDA073687R1
Designation	YC
Role	Closing release

Shared control rating

220-240 V AC/DC. This applies to the operating releases, not the breaker main power circuit.

Product and installation enquiries

sales13@apterpower.com | +86 18030235313

Apply manufacturer instructions and approved site procedures.

02 / Accessory selection and readiness

Applicable identification

Product series	SACE Emax 2
Accessory type	Electrical operating releases
Opening release order code	1SDA073674R1
Rated control supply	220-240 V AC/DC
Applicable frame family	E1.2, E2.2, E4.2, E6.2
Control functions	Remote opening and closing

Check the complete installed breaker execution before fitting accessories.

Closing sequence

Stored energy	Closing springs charged
Mechanism status	Breaker ready to close
Command	Apply YC through the approved control circuit
Verification	Confirm intended response and interlock behavior

YO and YC retain different functions even when their voltage ranges match.

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03 / Installed-system applications

Remote opening control

Use the YO release in the approved electrical opening-command circuit. Identify the opening reference and preserve the installed trip wiring and breaker interlocks.

Remote closing control

Use the YC release for electrical closing commands when the breaker mechanism is ready. Confirm spring-charge state and closing permissives before the controlled functional test.

Switchboard accessory replacement

Match the release function, control voltage and Emax 2 frame when servicing installed low-voltage switchgear. Compare the removed and replacement markings before reconnecting the control circuit.

Control-circuit commissioning

Verify opening and closing as separate commands under the site test procedure. Record the fitted order codes and confirm that each command produces its intended mechanism response.

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04 / Installation decisions and safeguards

Identify opening versus closing

Do not interchange YO and YC. Keep 1SDA073674R1 and 1SDA073687R1 associated with their respective opening and closing circuit positions.

Verify the control supply

Confirm the 220-240 V AC/DC release marking against the actual auxiliary supply. Do not use the main-circuit voltage as a substitute for the accessory control rating.

Isolate electrical and stored energy

Apply the breaker service procedure, isolate the relevant main and auxiliary supplies and control stored mechanical energy before accessing the operating mechanism.

Preserve wiring and interlocks

Record the original terminals and conductor identification. Restore the approved release circuit, mechanical arrangement and closing permissives without bypassing interlocks.

Check closing readiness

Confirm the closing springs are charged and the breaker is ready to close before commanding YC. Investigate an inhibited closing condition rather than repeatedly forcing the command.

Test each operating function

Perform separate controlled opening and closing checks using the installed breaker instructions. Resolve abnormal behavior and retain the fitted order codes and test record before release.

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05 / Verification, sources and related references

Offered-item review

Compare labels for both order codes, connector details and mounting features. State the quantity of each release and any separate hardware in the quotation.

Lifecycle boundary

The current manufacturing and support phase for the combined offered reference is unconfirmed. Obtain current ABB guidance using both order codes and the installed breaker configuration; seller availability is separate.

Technical basis

ABB SACE Tmax T/ML, Emax 2/ML Technical Catalog, 1SDC007907D0201 (November 2019); SACE Emax 2 Technical Catalog, 1SDC200039D0204 (January 2019).

Related ABB electrical references

ABB 1SDA073700R1

ABB 1SDA073674R1

ABB 1SDA073687R1

Navigation only. These entries do not imply interchangeable functions or inclusion of additional accessories.

Acceptance record

Preserve opening and closing circuit identities and retain the accepted function tests with the installed breaker record.

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