

ABB ACS510/550 DRIVES

Product Data Sheet

3X4K7

Capacitor balance resistor

FUNCTION Capacitor balance resistor	FAMILY ABB ACS510/550 drives	ORIGIN Finland	WEIGHT 0.4 kg
---	--	--------------------------	-------------------------

ABB Drives 3X4K7 is a Capacitor balance resistor for the ABB ACS510/550 drives. The values below are limited to the exact documented article.

01

VERIFIED TECHNICAL DATA

Component Class	Capacitor balance resistor
Product Family	ABB ACS510/550 drives
Primary Function	Voltage equalizing resistor
Electrical Design	Three 4.7 kohm elements
Signal or Power Path	DC-link capacitor connection
System Interface	Drive cabinet installation
Mounting Arrangement	Insulated resistor assembly
Configuration Reference	10028493B related marking
Replacement Control	Record wiring and companion hardware
Commissioning Check	Verify balanced capacitor voltages

- Apply the DC-bus voltage balancing: Use 3X4K7 for DC-bus voltage balancing only after confirming the documented ABB ACS510/550 drives hardware, interfaces and operating conditions.
- Document the resistor network inspection: Record resistor network inspection, connector orientation, adjacent assemblies and controlled settings before removing the installed Capacitor balance resistor.
- Verify the capacitor-bank voltage test: Complete capacitor-bank voltage test with qualified personnel, review diagnostics and retain the final acceptance record before service release.

Match 3X4K7 to the installed ABB ACS510/550 drives, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

ABB manufacturer documentation

<https://www.amikong.com/ABB-c37.html>