



Capacitors for power factor correction



Contents

Technical Committee on Industrial Products	3
Subcommittee on Capacitors for Power Factor Correction	5
Preface	7
1 Scope	8
2 Reference publications	8
3 Definitions	9
4 General Requirements	10
4.1 General	10
4.2 Switches and control equipment	10
4.3 Polymeric enclosures	11
4.4 Ratings	11
5 Construction	11
5.1 Capacitor units	11
5.2 Enclosed banks	12
5.3 Open capacitor stacking racks	13
5.4 Discharge device	14
5.5 Protection of capacitors	14
5.6 Grounding and bonding	14
6 Marking	15
6.1 Capacitor units	15
6.2 Capacitor elements (applicable to capacitors 1000 V and less only)	15
6.3 Enclosed capacitor banks and open capacitor stacking racks	16
6.4 Warning markings	16
7 Tests for banks and units rated 1000 V and less	17
7.1 Test conditions	17
7.2 Capacitor units — Type tests	17
7.2.1 General	17
7.2.2 Thermal stability	17
7.2.3 Power frequency withstand voltage test between terminals and container	19
7.2.4 Lightning impulse withstand voltage test between terminals and container	19
7.2.5 Short circuit discharge test	20
7.3 Capacitor units — Routine tests	20
7.4 Capacitor banks rated 1000 V and less — Type tests	20
7.4.1 General	20
7.4.2 Power frequency withstand voltage test	21
7.4.3 Temperature rise test	21
7.5 Capacitor banks — Routine tests	21

8	Tests for banks and units rated above 1000 V	21
8.1	Test conditions	21
8.2	Thermal stability — Capacitor units	21
8.3	Lightning impulse withstand voltage test between terminals and container-capacitor units	21
8.4	Short circuit discharge test — Capacitor units	21
8.5	Capacitor banks rated above 1000 V	21
8.5.1	Capacitor banks — Type tests — General	21
8.5.2	Lightning impulse withstand voltage test	22
8.5.3	Power frequency withstand voltage test	22
8.5.4	Temperature rise test	22
8.5.5	Capacitor banks — Routine tests	22
9	Metallized electrode capacitors	22
9.1	General	22
9.2	Voltage test between terminals	22
9.3	Voltage test between terminals and container	23
9.4	Lightning impulse withstand voltage test between terminals and container	23
9.5	Short circuit discharge test	23
9.6	Thermal stability test	23
9.7	Fault-current test	24
9.7.1	General	24
9.7.2	Test circuit	24
9.7.3	Test samples	24
9.7.4	Test method	25
9.7.5	Test acceptance criteria	26
10	Component capacitors — Dry, metallized film element self-protecting type	26
10.1	General	26
10.2	Construction requirements	26
10.2.1	Mechanical assembly	26
10.2.2	Housing	26
10.2.3	Current carrying and live parts	27
10.2.4	Leads and terminals — General	28
10.2.5	Terminals	28
10.2.6	Electrical spacings	28
10.2.7	Insulation	29
10.3	Markings	30
10.4	Tests	30
10.4.1	Temperature endurance	30
10.4.2	Dielectric voltage withstand	30
10.4.3	Fault current interruption test	30
10.4.4	Strain relief — Terminals and leads	32
10.4.5	Mold stress relief — Capacitors with polymeric housing materials	32
10.4.6	Deflection test	33
10.4.7	Housing material flammability	33
<hr/>		
	Annex A (informative) — Method of measurement of spacings when insulating barriers are used	39

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Capacitors for power factor correction

1 Scope

1.1

This Standard applies to indoor or outdoor, open or enclosed, shunt power capacitors and assemblies of shunt power capacitors with associated interconnections and supporting structures, for power factor improvement and other applications on ac power systems having voltages up to 46 kV, designed to be installed in accordance with the Rules of the *Canadian Electrical Code, Part I*.

1.2

The requirements of this Standard also apply to self-healing capacitor with metallized electrode for use on ac systems having a maximum voltage between phases of 1000 V and less.

1.3

In this Standard, “shall” is used to express a requirement, i.e., a provision that the user is obliged to satisfy in order to comply with the standard; “should” is used to express a recommendation or that which is advised but not required; and “may” is used to express an option or that which is permissible within the limits of the Standard.

Notes accompanying clauses do not include requirements or alternative requirements; the purpose of a note accompanying a clause is to separate from the text explanatory or informative material.

Notes to tables and figures are considered part of the table or figure and may be written as requirements.

Annexes are designated normative (mandatory) or informative (non-mandatory) to define their application.

2 Reference publications

This Standard refers to the following publications, and where such reference is made, it shall be to the edition listed below.

CSA Group

C22.1-12

Canadian Electrical Code, Part I

CAN/CSA-C22.2 No. 0-10

General Requirements—Canadian Electrical Code, Part II

CAN/CSA-C22.2 No. 0.4-04 (R2013)

Bonding of Electrical Equipment