

**ALUMINIUM CASE CAPACITORS  
WITH SAFETY DEVICE  
250Vac APPLICATIONS**

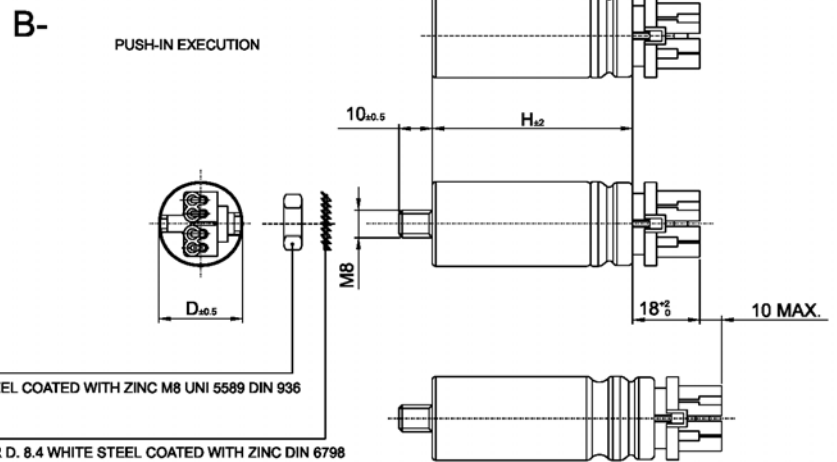
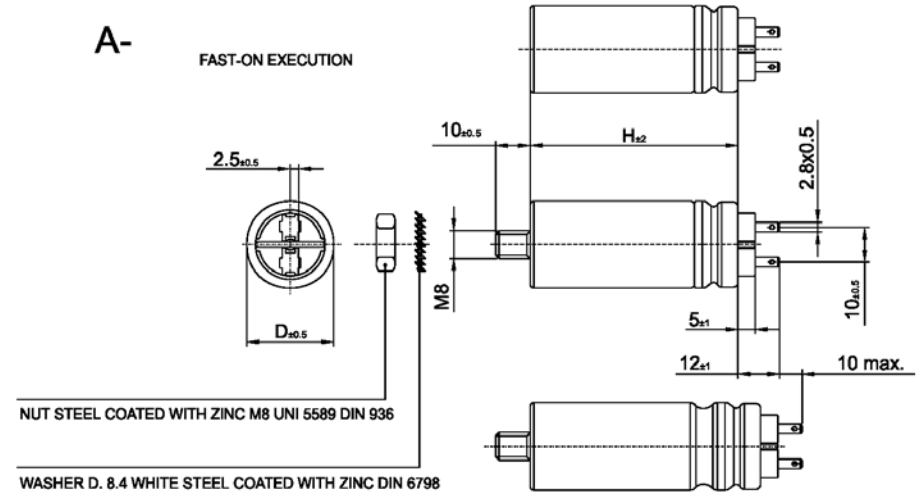
<b>TECHNICAL DATA</b>	<b>C950</b>	<b>C954</b>
Reference standard:	EN61048 ed. 1993 A.1/1996 – EN 61049	
Homologation EN:	[ENEC 03]	
Homologation UL810:	In progress	
Service:	Continuous	
Temperature range:	-25/100°C	
Storage:	-25/100°C	
Nominal Voltage Vn (ac):	250	450
Nominal Frequency (Hz):	50	
Max change Voltage/Time:	25 V/μs	
Max admitted voltage:	275 Vac	495 Vac
Nominal RMS current (In):	78500 * (Cn)	
Max admitted RMS current:	1.3 * (In)	
Dissipation factor, tgδ:	30x10 <sup>-4</sup> (50Hz-V) (not applicable to push-in terminals)	
Safety protection:	IP00	
Max altitude:	2200m	
Standard capacitance tolerance:	±10%	±4%
Mounting:	Metal bolt M8 threaded (ground)	
Terminals:	Faston 2.8x0.8mm DIN46244 – push-in	
Case:	Aluminum	
Deck:	Plastic with self-extinguishing UL V0 rating	
Filling resin:	Polyurethane	
Safety Device	Overpressure disconnecter	
Dielectric	Metallized Polypropylene film	
Plates	Zn	
Test voltage:		
Terminal to terminal:	500 Vac	900 Vac
Terminal to case:	2000 Vac	2000 Vac
Electrical clearance in air:		
Between parts under voltage:	(Min. 5mm) STD 9mm	
Between parts under voltage and metal ones in the surrounding:	Min. 6mm	
Vibration test:	IEC 68-2-6	

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### C950 for parallel compensation

Rated Cap. $\mu\text{F}$	High runner Codes	Case		Approx. Weight g
		D	H	
2		25	48	25
2.5		25	48	25
3		30	48	36
4	*	30	48	36
4.5	*	25	78	40
5		25	78	40
5.5		25	78	40
6	*	25	78	40
6.3		25	78	40
7		25	98	50
8	*	25	98	50
8.4		25	98	50
9		25	98	50
10		30	78	58
12	*	30	98	73
12.5		30	98	73
13		30	98	73
13.5		30	98	73
14	*	30	98	73
15		30	98	73
16		35	78	79
18	*	35	98	99
20	*	35	98	99
22		35	98	99
25	*	35	133	134
30		35	133	134
31.5		35	133	134
32	*	35	133	134
35		35	133	134
36		40	133	175
40		40	133	175
45		40	133	175
50		45	133	222

### Available executions



### C954 for series compensation

Rated Cap. $\mu\text{F}$	High runner Codes	Case		Approx. Weight g
		D	H	
2.5		25	78	162
2.7		25	78	162
2.8		25	78	162
2.85		25	78	162
2.9		25	78	162
3		25	78	162
3.4	*	25	78	162
3.5		25	78	162
3.6		25	78	162
4		30	78	110
4.4		30	78	110
4.5		30	78	110
5		30	78	110
5.3	*	30	78	110
5.4		30	78	110
5.5		30	78	110
5.7		30	78	110
5.9		30	78	110
6		30	78	110
6.5		35	78	86
6.8	*	35	78	86

Max operating temperature = 100°C.

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**Part Numbering System**

**C95 0 P F 1 5500 AA 4 K..**

**Series**  
4<sup>th</sup> Digit

C95.0:  
Parallel comp.

C95.4:  
Series comp.

**Marking**  
P = Standard  
Z = Special

**Case**  
F = Metal case

**Tolerance:**  
X=±4%, J=±5%, K=±10%

**Diameter of aluminum case:**

0: D=25mm  
1: D=30mm  
2: D=35mm  
3: D=40mm  
4: D=45mm

**Terminals and assembly:**

12 <sup>th</sup> Digit	13 <sup>th</sup> Digit	Description
A	A	Nut and washer supplied separately
Z	A	Nut and washer mounted
Z	B	Flanged nut supplied separately
Z	C	Flanged nut mounted
Z	D	Without nut and washer
Z	E	Faston 2.8mm with soldering hole
Z	F	Nut and washer supplied separately plus faston 2.8mm with soldering hole
Z	G	Mounted nut and washer plus faston 2.8mm with soldering hole
Z	H	Flanged nut supplied separately plus faston 2.8mm with soldering hole
Z	I	Mounted flanged nut plus faston 2.8mm with soldering hole
Z	L	Without nut and washer plus faston 2.8mm with soldering hole

**Capacitance code in pico farads (pF)**

5 = Number of zeros to be added to the capacitance value  
500 = First 3 figures indicating the capacitance value

**Terminals**

7<sup>th</sup> Digit Kind of terminal

1 Faston 2.8mm plus hole  
4 Push-in terminal