

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

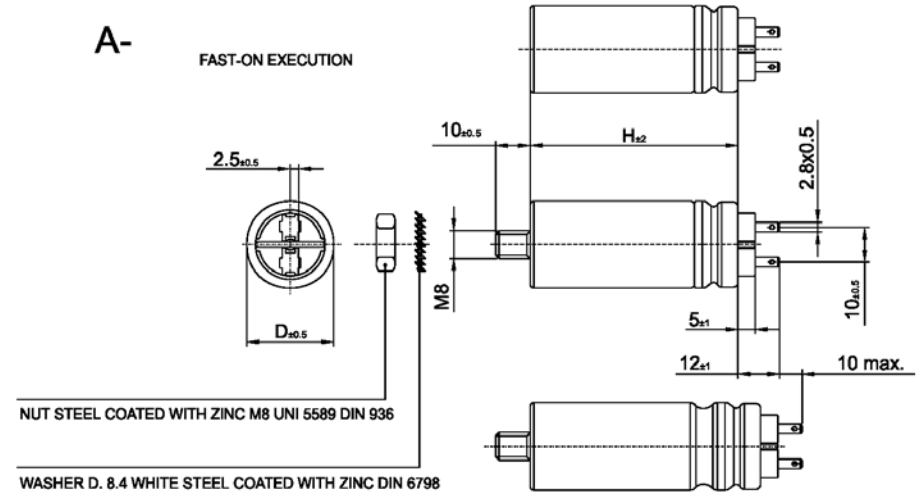
| <b>TECHNICAL DATA</b>  | <b>C950</b>  | <b>C954</b> |
|--|--|-------------|
| Reference standard:  | EN61048 ed. 1993 A.1/1996 – EN 61049                               |             |
| Homologation EN:   | [ENEC 03]  |             |
| Homologation UL810:  | In progress  |             |
| Service:   | 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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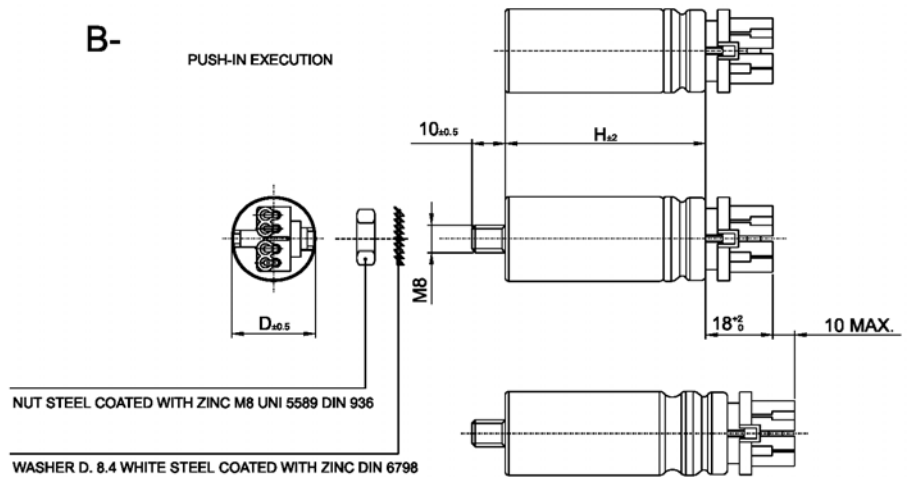
### C950 for parallel compensation

| Rated Cap.<br>μF | High runner Codes | Case |     | Approx. Weight<br>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



### B-



### C954 for series compensation

| Rated Cap.<br>μF | High runner Codes | Case |    | Approx. Weight<br>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

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