



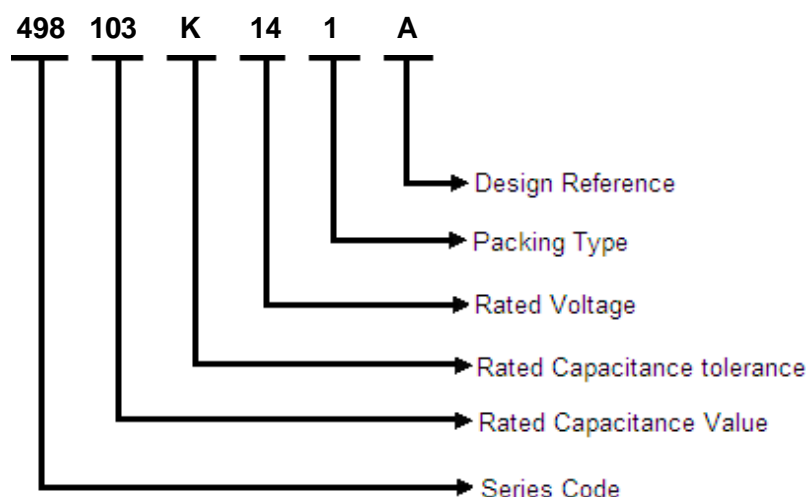
# Power Electronic Capacitors

SERIES TYPE: Power Factor Correction capacitor

Series Code: 498

Date: November 2024

## Item Code Description



## Rated VAR

Three-digit (103) indicate rated VAR  
For example:

103 = 1 ×	10 <sup>3</sup>	= 1KVAR
104 = 1 ×	10 <sup>4</sup>	= 10KVAR
154 = 15 ×	10 <sup>4</sup>	= 150KVAR

## Capacitance Tolerance

F = ±1%, G = ±2%, H = ±2.5%, I = ±3.5%, J = ±5%, K = ±10%, L = ±15%, M = ±20%, N=±40%

## Rated Voltage

One digit and one letter (2A) or two digits (05) indicate rated voltage

## Rated Voltage Codification

For AC Rated Voltage(V <sub>RMS</sub> )													
01	02	03	04	05	06	07	08	09	10	11	12	13	14
190	250	275	305	310	440	500	600	700	63	230	330	400	450
15	16	17	18	19	20	21	22	23	24	25	26	27	
350	300	415	420	460	480	530	660	720	780	850	900	1000	

## General data

### Typical Application

- Power Factor Correction

### Construction

- Dielectric: Metallized Polypropylene Film
- Self-Healing Property
- Wound capacitor Technology
- Aluminum can
- Mounting and Grounding: Stud on bottom of Can
- Non PCB, Soft Polyurethane resin
- Three phase Delta connection

## Features

- Compact size
- Low Loss
- Low ESR and ESL
- Low leakage current
- Safety device: Over Pressure disconnecter, Internal discharge device
- IP00, IP20

## Reference Standard

- IEC 60831 - 1 & 2

## Climatic Category

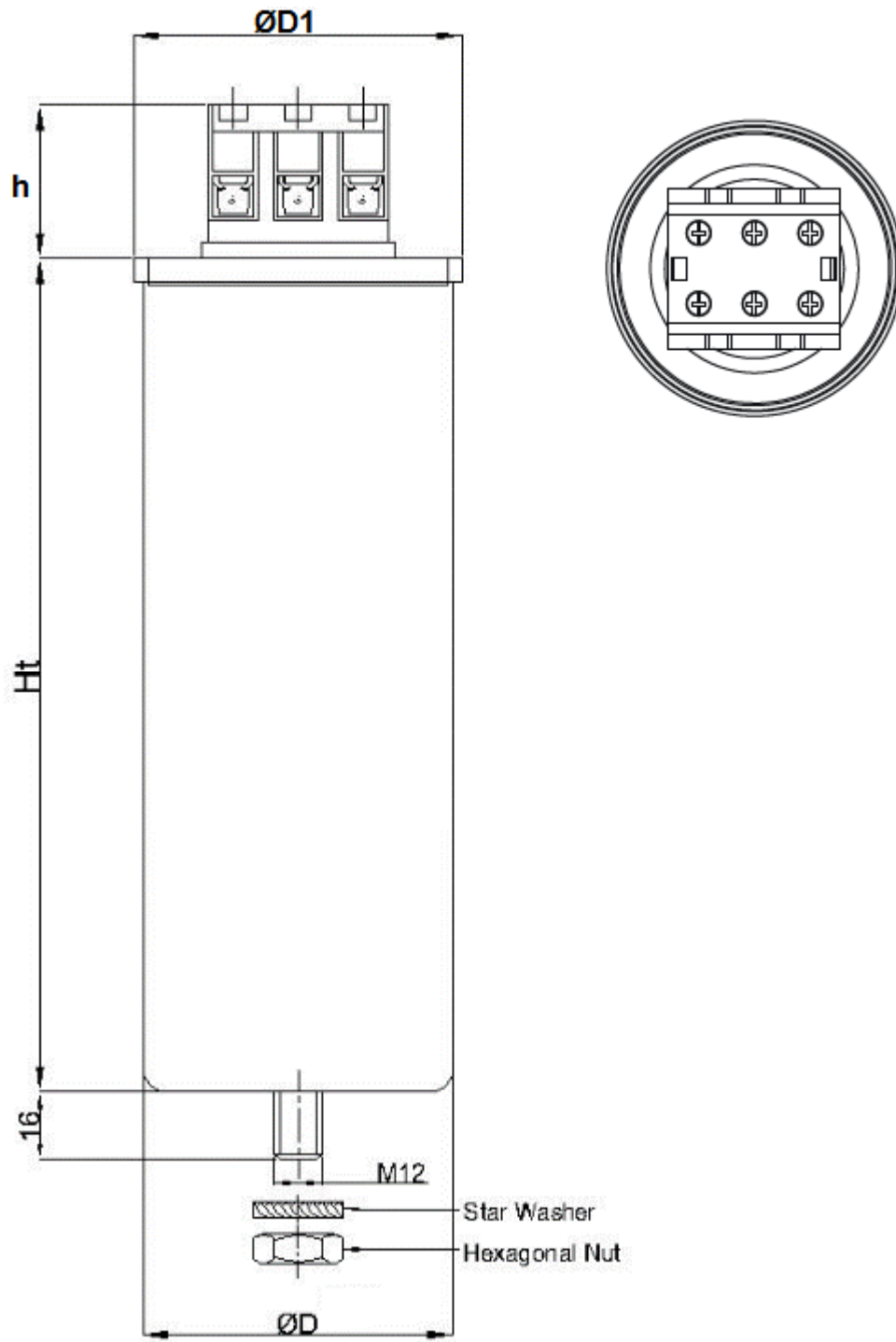
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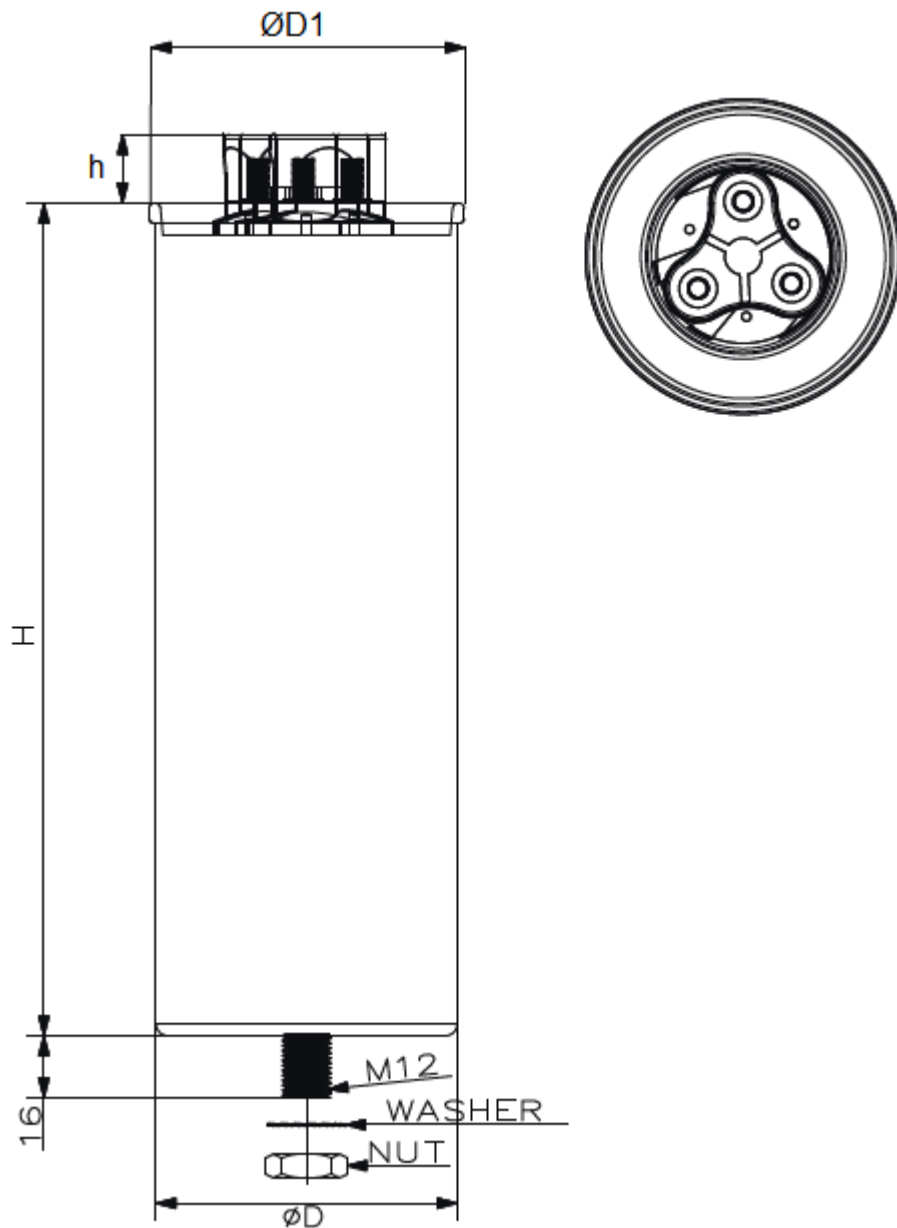
## Terminals

- M6 Stud or M10 Stud or Clamp terminals

## Technical data

Max. Operating Temperature	+55°C(Class D)
Min. Operating temperature	-40°C
Rated QN	1KVAR to 30KVAR
Rated Voltage VR	440V AC
Voltage proof(VT-T)	2.15xVR, 50Hz 10s
Voltage proof(VT-C)	4000VAC for 1 Min.
Dissipation factor tan $\delta$ (100Hz)	$\leq 0.08$
Life Test	Acc. To IEC 60831-1 & 2
Tolerance	K, $\pm 10\%$
Degree of Protection	IP00, IP20
Max. permissible altitude	4000m MSL
Safety device	Over pressure disconnecter, Internal discharge device,
Service Life at VRMS @ 55°C Hotspot	100000Hrs





### Installation Space requirements:

- A minimum distance of 20 mm between the capacitors is necessary to maintain cooling.
- Keep at least 20 mm space above the capacitor and do not attach any mounting components at the crimp or on top to allow proper lateral extension in order to ensure that the over pressure disconnecter can fully extend.

CR μF	Rated KVAR	Dia (ØD)	Height (H)	Current (Amp)	Part no.
3 x 5.5	1	50	150	1.31	498 103 K 06 1 *
3 x 11	2	50	150	2.62	498 203 K 06 1 *
3 x 16.5	3	68	195	3.93	498 303 K 06 1 *
3 x 21.92	4	68	195	5.24	498 403 K 06 1 *
3 x 27.4	5	75	210	6.55	498 503 K 06 1 *
3 x 41.1	7.5	85	285	9.84	498 703 K 06 1 *
3 x 55	10	90	285	13.12	498 104 K 06 1 *
3 x 68.5	12.5	85	360	16.37	498 124 K 06 1 *
3 x 82.2	15	90	360	19.65	498 154 K 06 1 *
3 x 109.6	20	100	360	26.20	498 204 K 06 1 *
3 x 137	25	116	360	32.75	498 254 K 06 1 *
3 x 164.4	30	136	295	39.36	498 304 K 06 1 *

\*Internal design code

## Disclaimer

All our capacitors are designed, manufactured and tested to specifications. We strictly adhere to standards in procurement of materials, in the laid down manufacturing processes and consistently apply stringent process controls and testing parameters. This ensures that our capacitors always perform to the offered specifications. Appropriateness of use in a specific circuit and fitness to a particular application however needs to be verified and its reliability through expected lifetime is required to be validated by the customer. Deki's responsibility is limited to ensuring that the capacitor performs as claimed in the specification/ data sheets provided by Deki. Deki specifically disclaims any implied warranties of fitness for any particular purpose. Liability, in any case is limited to the price paid for the capacitors.