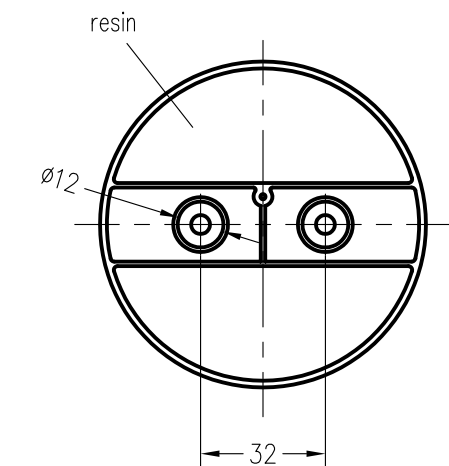
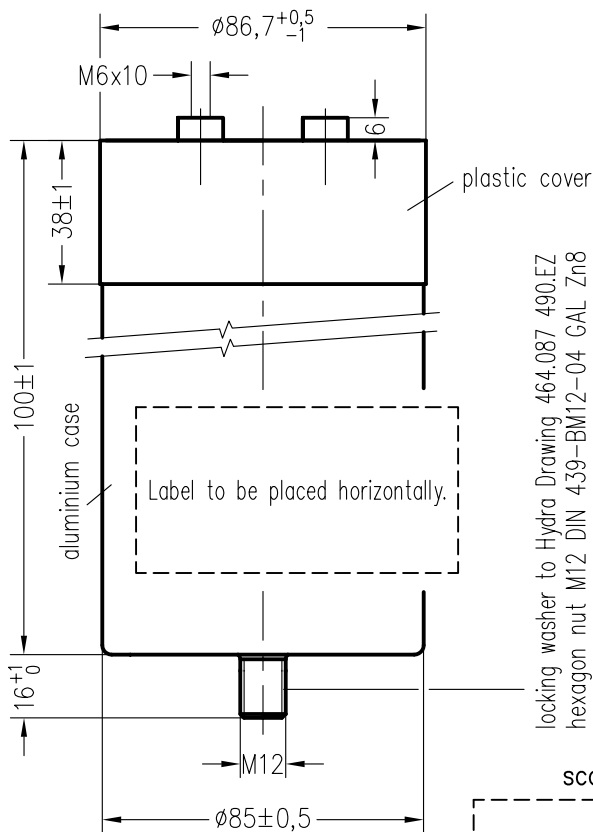


# Technical data sheet

DC Filter Capacitor for Power Electronics



locking washer to Hydra Drawing 464.087 490.EZ  
hexagon nut M12 DIN 439-BM12-04 GAL Zn8  
free added



scale marking 1:1

**HYDRA®**

EGB DCL 500/750/1900

$C_N = 500 \mu F \pm 10\%$

$U_N = 750 V DC$

$I_{max} = 50 A$  Non PCB

temp.  $-40 \dots +60^\circ C$

no internal protection

Filling: resin

IEC 61071/07 SH

**CE** **us** <sup>no PCB's</sup> Made in  
Czech Republic

order number.pcs

year.month.day

## Standards

acc. to IEC 61071 (2007-01) Ed. 1.0

acc. to IEC 60664-1 Ed. 2: 2007

acc. to UL 810 and UL 746C

## Vibration resistance (IEC 60068-2-6)

$f=10Hz-55Hz$ , amplitude= $\pm 0,35mm$

## Rated data

$C_N = 500 \mu F \pm 10\%$

$U_N = 750 V DC$

(short-term up to 800V DC)

$U_{surge} = 1125 V$

$I_{max} = 50 A$

$I_{peak/periodic} = 3,04 kA$

$I_{peak} = 9,11 kA$

Series resistance  $\leq 2,3 m\Omega$

Self inductance  $\leq 20 nH$

## Temperature class

$-40 \dots +60^\circ C$

Storage temp.  $-40/+85^\circ C$

Service life: 100.000 h

at hotspot temp.:  $< 70^\circ C$

## Distance data

Creep distance min. 34 mm

Strike distance min. 20 mm

## Test voltage

Test voltage  $U_{T/T} = 1125 VDC / 10 s$

Test voltage  $U_{T/C} = 3600 VAC / 10 s$

## Design

MKP metallized polypropylene capacitor

encapsulated in Al case by resin, dry,

PCB free, no liquid filling

Safety devices: no fuse, without interrupter

## Marking

PET label

marking in black colour

## Other data

Torque for bolt M12 15 Nm

Weight 0,7 Kg

all dimensions in mm !

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Freimasstoleranzen

Oberflächen

Masstab: 1:2

F:\AUTOCAD VYKRESY\SET\_KK\TD\198491TD.DWG

Werkstoff:

2023 Datum Name  
Bearb. 3 .JUL. Chrtek  
Gepr.  
Norm.

Technical data sheet  
EGB DCL 500/750/1900

**HYDRA®**

464.198 491.TD

Blatt

1 Bl.

01 0001/23 16.10. Špi  
Zust. Änderung Datum Name Norm.

Ers. f.:

Ers. d.: