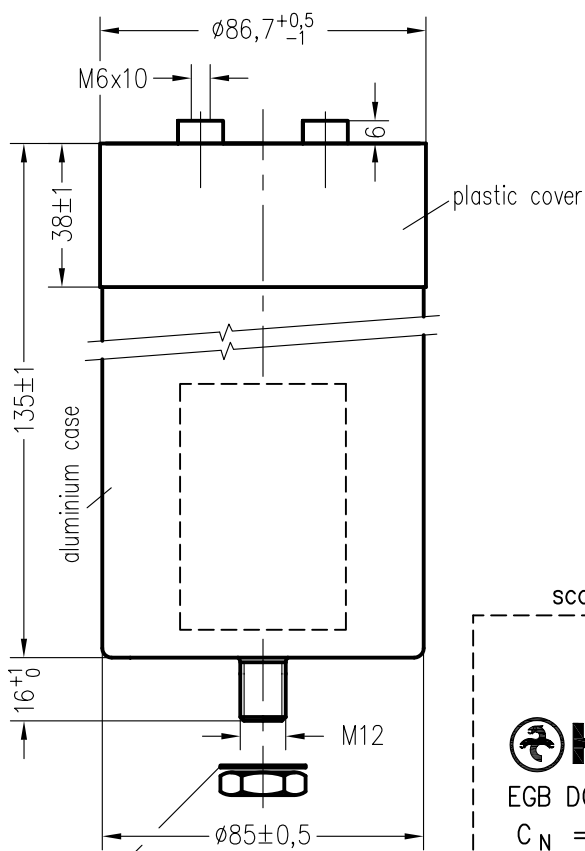
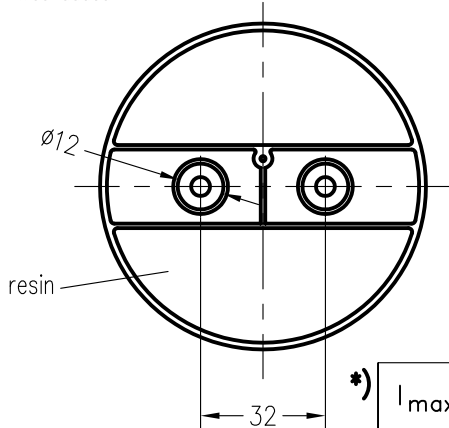


Technical data sheet

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



all dimensions in mm !

scale marking 1:1

HYDRA®

EGD DCL 420/1100/1754

$C_N = 420 \mu F \pm 10\%$

$U_N = 1100 V DC$

$I_{max} = 75 A$ Non PCB

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

no internal protection

Filling: resin

IEC 61071/17 SH

CE **UL** **NO PCB's** **Us** Made in
Czech Republic

order number.pcs

year.month.day

*) $I_{max} = 75A$ (ambient temp. $+40^\circ C$)
 $= 50A$ (ambient temp. $+50^\circ C$)
 $= 40A$ (ambient temp. $+60^\circ C$)
 $= 30A$ (ambient temp. $+70^\circ C$)

Standards

acc. to IEC 61071 (2017-08) Ed. 2.0

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

$C_N = 420 \mu F \pm 10\%$

$U_N = 1100 V DC$

$U_{surge} = 1650 V$

$I_{max} = 75 A$ for temp. $+40^\circ C$ amb. *)

$I_{peak/periodic} = 2,3 kA$

$I_{peak} = 7 kA$

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

Self inductance $\leq 35 nH$

Therm. resist. $R_{th} = 3,9^* K/W$

*) No heating via terminals

Temperature class

$-40 .. +85^\circ C$

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 $U_{T/T} = 1650 VDC / 10 s$

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 0,96 Kg

Freimasstoleranzen

Oberflaechen

Masstab: 1:2

F:\AUTOCAD VYKRES\SET_KK\TD\170977TD.DWG

Werkstoff:

2012 Datum Name
Bearb. 6 .FEB. Chrtek
Gepr.
Norm.

Technical data sheet
EGD DCL 420/1100/1754

HYDRA®

464.170 977.TD

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Zust. Aenderung Datum Name Norm.

Ers. f.:

Ers. d.: