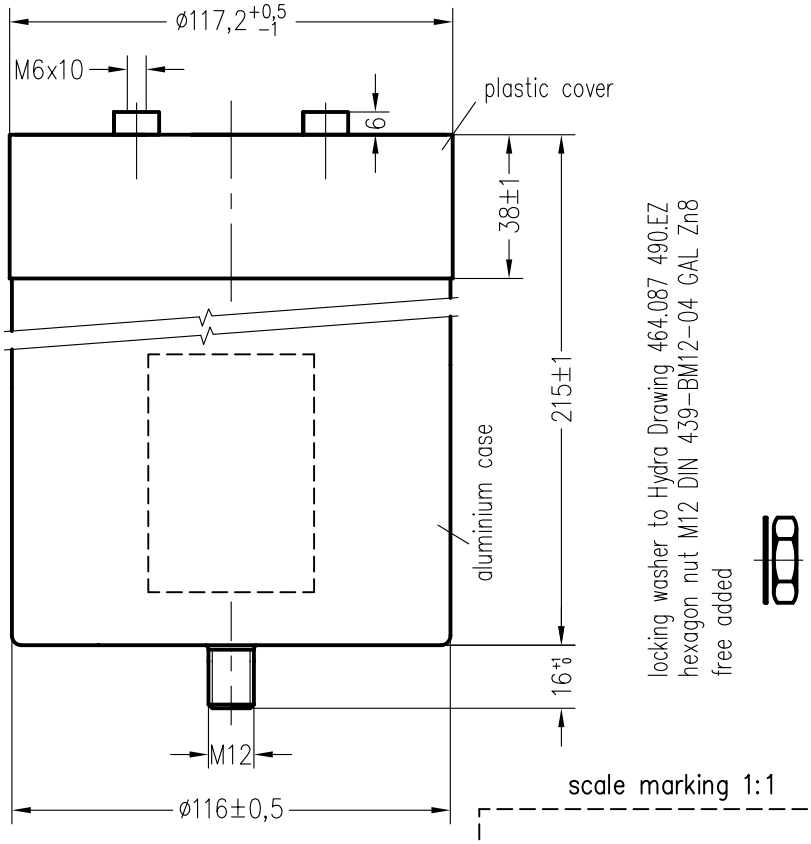
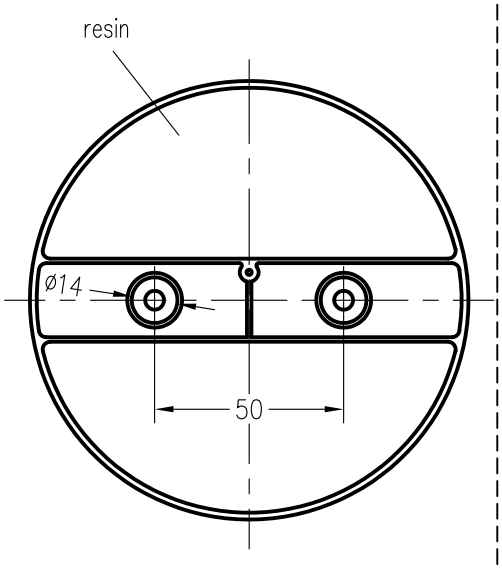
Technical data sheet

DC Filter Capacitor for Power Electronics



scale marking 1:1



all dimensions in mm !

HYDRA®
EGB DCL 1000/1300/1900
C_N = 1000 µF 0/+10%
U_N = 1300 V DC
I_{max} = 120 A Non PCB
temp. −40 .. +60°C
no internal protection
Filling: resin
IEC 61071/17 SH
Made in Czech Republic
order number.pcs
year.month.day

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=±0,35mm

Rated data

C_N = 1000 µF 0/+10%
U_N = 1300 V DC
U_{surge} = 1950 V
I_{max} = 120 A
$I_{peak/periodic}$ = 8 kA
I_{peak} = 24 kA
Series resistance ≤ 0,9 mOhm
Self inductance ≤ 50 nH

Temperature class

−40 .. +60°C
Storage temp. −40/+85 °C
Service life: 100.000 h
at hotspot temp.: < 70°C

Distance data

Creep distance min. 34 mm
Strike distance min. 20 mm

Test voltage

Test voltage $U_{T/T}$ = 1950 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 liguid filling
Safety devices: no fuse, without interrupter

Marking

PET label
marking in black colour

Other data

Torque for bolt M12 15 Nm
Weight 2,8 Kg

Storage conditions for Hydra capacitors see instruction 464.073 909.FA appendix 10.

Freimasstoleranzen	Oberflaechen

Masstab: 1:2

C:\SET\AutoCAD vykresy\SET_KK\TD\186090td.dwg

Werkstoff:

2019	Datum	Name
Bearb.	16.MAI.	Chrtek
Gepr.		
Norm.		

Zust.	Aenderung	Datum	Name	Norm.
02	0246/20	21.12.	Dan	
01	0144/19	12.09.	Chr	

Ursprr.:

HYDRA®

Technical data sheet EGB DCL 1000/1300/1900

464.186 090.TD

Blatt 1
1 Bl.

Ers. f.: Ers. d.: