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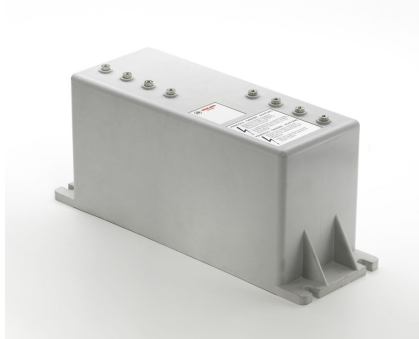
CAPACITOR for
POWER ELECTRONIC
- Low inductance DC Filters capacitors -

DC86 P - C=2800uF 1350V

Part Number: **416.86.3091**

DC 86 P

DC - Link Capacitors on prism plastic case



1. Technical data (in according to IEC 61071)

ELECTRICAL CHARACTERISTICS		
Rated Capacitance and tolerance	μF	2800 -15..+0%
Rated DC Voltage (Un)	V	1350
Max. Operating DC voltage	V	1450
Series resistance (Rs)	mΩ	< 0,5
Maximum ripple Voltage (Ur)	Vrms	250
Maximum Current (Imax) - RMS	A	250
Maximum peak voltage (Upk) - repetitive	V	2000
Maximum peak Voltage (Us) – no repetitive	V	3100
Self-inductance	nH	< 30
Voltage test terminal - terminal	V	1.5 x Un - 10s
Voltage test terminal – ground	V	5 kVac 50Hz - 60s
MECHANICAL CHARACTERISTICS		
Filler material		Polyurethane self extinguishing resin (UL94 V0).
Dielectric		Self healing Polypropilene metallized film, type PPM-d.
Case		Self extinguishing plastic case (box shape UL94 V0).
Dimensions (w x d x h)	mm	≈ 150 x 460 x 240
Weight	Kg	≈ 18
Environment / Mounting position		Indoor / All
Safety system		This capacitors are designed with a particular type of polypropylene metalized film (PPM-d film) that assure an open circuit at the end of life, if the service is within the specification.
Fixing type		4x Slot 11x15 mm
Max. tightening torque on fixing slot	Nm	10
TERMINALS AND INSULATION		
Terminals type		Bus bar with 6x Ø8.5 holes
Max. tightening torque on M6 terminal	Nm	4
Max. tightening torque on bus bar	Nm	2,5
Creepage distance	mm	40
Clearance distance	mm	41
CLIMATIC CATEGORY		
Min. Operating temperature	°C	-25
Max. Operating temperature	°C	+70
Storage temperature	°C	-40 .. +85
Maximum altitude	m	2000
Expected life	hours	100.000 @ 1350Vdc - 70°C internal Hot Spot

Release	Date	Description	Technician
-	25/05/21	First issue	A.G.



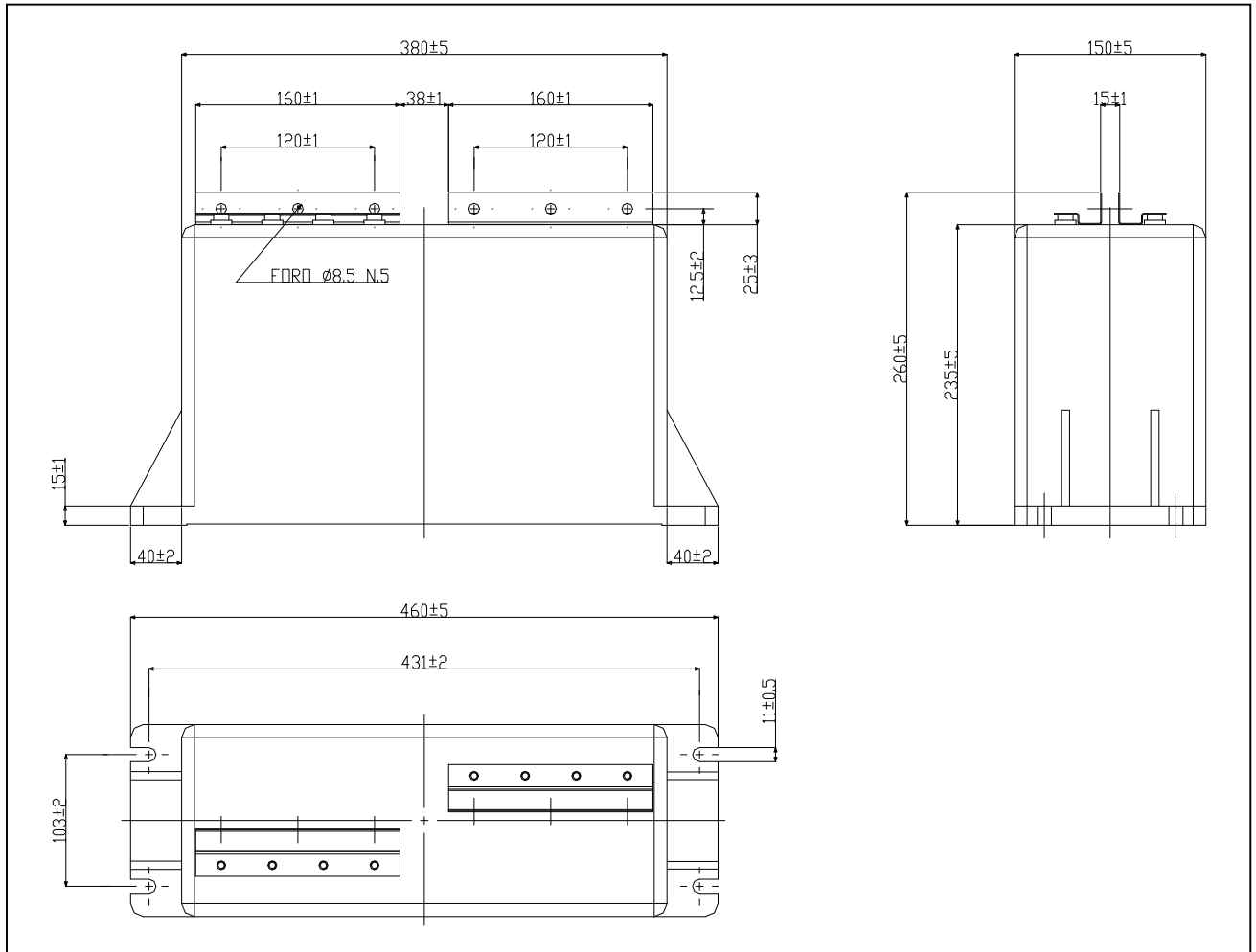
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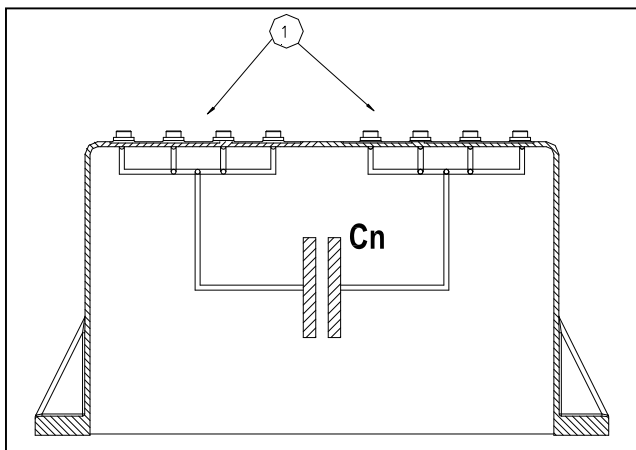
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2. Mechanical configuration



3. Internal connection



1 WARNING:

please, pay attention **to connect all of the four M6** internal thread terminals for each polarity.

STANDARDS:

IEC 1071 / EN 61071 -1/2

In according to fire protection standard
EN 45545-2 (2013)



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