

Serie CML6

Condensatori per elettronica di potenza per applicazioni DC *DC power electronics capacitors*

Condensatori a bassissima induttanza per DC link, filtri DC, protezione GTO e IGBT.
Very low inductance DC link, DC filtering, GTO and IGBT protection.



MECO S.r.l.

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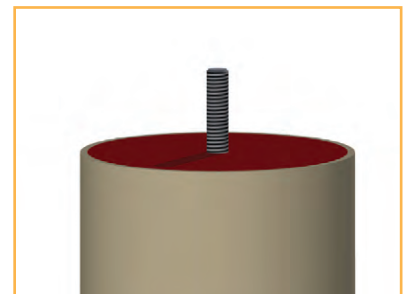
Caratteristiche tecniche

Technical details

Tensione nominale DC (U_{ndc}) <i>Rated DC voltage (U_{ndc})</i>	550, 700, 850, 900, 1000, 1100, 1300, 1500, 1700, 2000, 2300, 2500, 2700, 3000, 5000
Tolleranza capacità <i>Capacitance tolerance</i>	±10%
Induttanza serie <i>Inductance serie</i>	<30nH
Dispositivo di sicurezza <i>Safety device</i>	NO
Categoria climatica <i>Climatic category</i>	40/85/21
Temperatura massima d'esercizio $-\theta_{max}$ <i>Maximum operating temperature $-\theta_{max}$</i>	85°C
Temperatura minima d'esercizio $-\theta_{min}$ <i>Minimum operating temperature $-\theta_{min}$</i>	-40°C
Temperatura massima punto più caldo $-\theta_h$ <i>Maximum hotspot temperature $-\theta_h$</i>	85°C
Temperatura di stoccaggio <i>Storage temperature</i>	-40 +85°C
Tensione di prova <i>Test voltage</i>	tra i terminali: $1,5U_{ndc}/30''$ verso massa: $3,6kV/3''$ <i>between terminals: $1,5U_{ndc}/30''$ between terminals and case: $3,6kV/3''$</i>
Terminali <i>Terminals</i>	Filetto interno M6x8 o Viti M8 <i>M6x8 threaded holes or M8 screws</i>
Corrente massima terminali <i>Maximum terminal current</i>	100A
Coppia massima serraggio terminali <i>Fixing screws maximum torque</i>	4Nm M6 - 7Nm M8
Materiale contenitore <i>Case material</i>	Plastica VO autoestinguente UL94 <i>UL94 Self-extinguishing VO plastic</i>
Norma di riferimento <i>Reference standard</i>	IEC 61071-1 IEC 60068-1 UL-94
Aspettativa di vita <i>Life expectancy</i>	100000 h
Umidità relativa <i>Relative humidity</i>	<95%
Altitudine <i>Altitude</i>	≤2000 mslm masl



Terminali a filetto interno M6x10
M6x10 threaded holes terminals



Terminali a vite M8
M8 screw terminals

Principali applicazioni

- Filtri DC
- Inverter
- Azionamenti elettrici
- Protezione GTO e IGBT

Main applications

- DC filters
- Inverters
- Motor drivers
- GTO and IGBT protection

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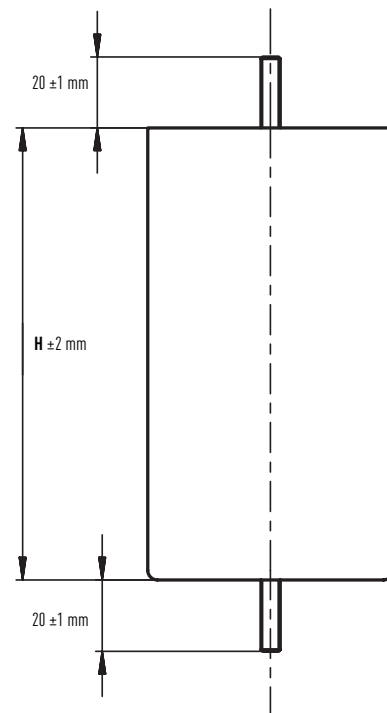
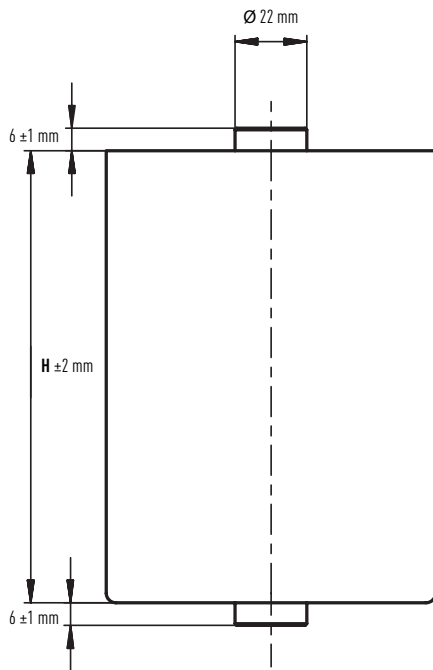
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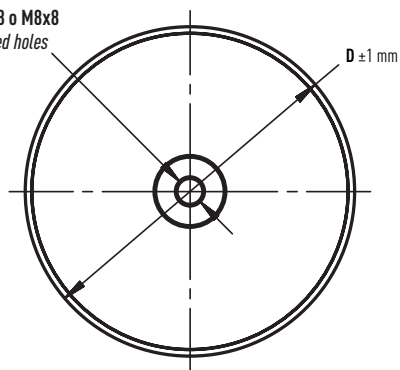
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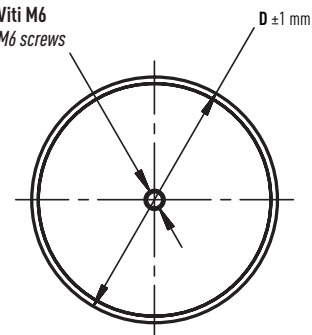
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Filetto interno M6x8 o M8x8
M6x8 or M8x8 threaded holes



Viti M6
M6 screws



D [mm]	40	55	60	60	60	72	75	75	75	80	90	90	90	90	102	102	102	102
H [mm]	50	50	50	65	56	56	50	65	90	56	50	56	65	90	90	115	125	140

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550V _{NDC} V _S =820	Cod.
C [μF]	
15 μF min. -> 90 μF max	CML50400R

1700V _{NDC} V _S =2550	Cod.
C [μF]	
3 μF min. -> 50 μF max	CML51700R

700V _{NDC} V _S =1050	Cod.
C [μF]	
20 μF min. -> 320 μF max	CML50700R

2000V _{NDC} V _S =3000	Cod.
C [μF]	
2,5 μF min. -> 33 μF max	CML52000R

850V _{NDC} V _S =1275	Cod.
C [μF]	
1,5 μF min. -> 6 μF max	CML50850I

2300V _{NDC} V _S =3450	Cod.
C [μF]	
1,5 μF min. -> 22 μF max	CML52300R

900V _{NDC} V _S =1350	Cod.
C [μF]	
14 μF min. -> 190 μF max	CML50900R

2500V _{NDC} V _S =3750	Cod.
C [μF]	
2 μF min. -> 22 μF max	CML52500R

1000V _{NDC} V _S =1500	Cod.
C [μF]	
1 μF min. -> 4 μF max	CML51000I

2700V _{NDC} V _S =4050	Cod.
C [μF]	
2 μF min. -> 11,5 μF max	CML52700R

1100V _{NDC} V _S =1650	Cod.
C [μF]	
7 μF min. -> 120 μF max	CML51100R

3000V _{NDC} V _S =4500	Cod.
C [μF]	
1,5 μF min. -> 15 μF max	CML53000R

1300V _{NDC} V _S =1950	Cod.
C [μF]	
6 μF min. -> 85 μF max	CML51300R

5000V _{NDC} V _S =8000	Cod.
C [μF]	
2,2 μF min. -> 4 μF max	CML55000R

1500V _{NDC} V _S =2250	Cod.
C [μF]	
4 μF min. -> 65 μF max	CML51500R

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