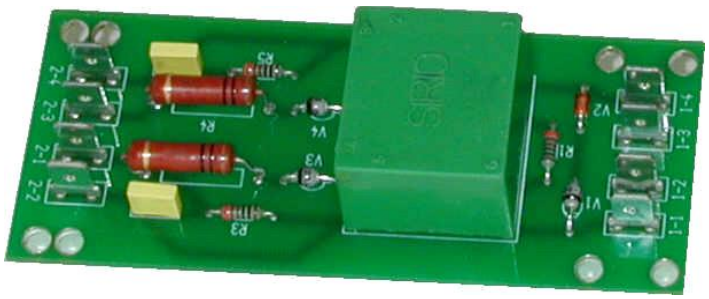
ARCTI-CP

Triggering board for thyristors

The ARCTI-CP board enables to dispatch control pulses to 2 thyristors.

A pulse transformer ensures the isolation between the power and the control and between the 2 outputs.



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1. ELECTRICAL SPECIFICATIONS

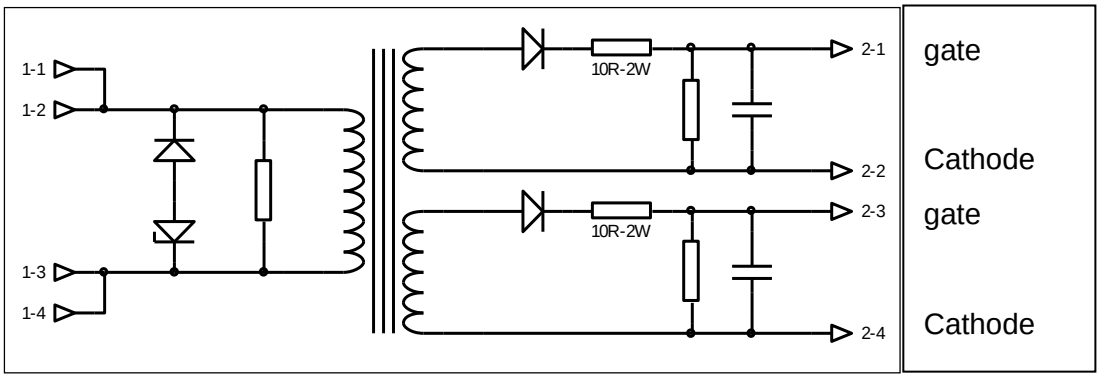
The ARCTI-CP is normally tropicalised.

1.1. Pulse transformer

Unless otherwise specified all data are given for 25°C.

Symbol	Parameters	Min.	Typ.	Max.	Unit
n	Transformation ration		1:1:1		
∫U.dt	Tension-time area[i]		1000		µVs
TS	Rise time to secondary[ii]			1	µs
Imax	Maximum peak current		2		A
LP	Inductance to primary		5		mH
CK	Capacitance coupling[iii]		190		pF
RP	Resistance of the primary winding		0.4		Ω
RS	Resistance of the secondary windings		0.4		Ω
UP	Dielectric test voltage[iv]		3		kVAC
UIS	Maximum operating voltage[v]		380		VAC

2. ELECTRICAL DIAGRAM



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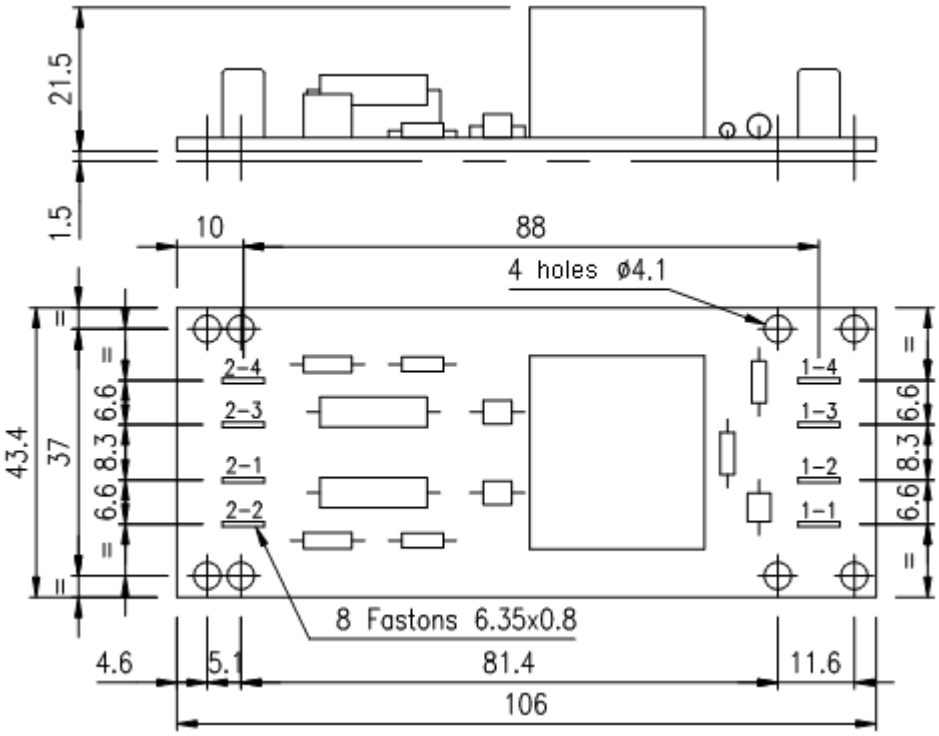
3. MECANICAL SPECIFICATIONS



Nota : Connection with "FASTON" 6.3*0.8mm terminals.

Transformer housing self-extinguishing (UL94 homologation), vacuum impregnation.

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4. NOTES

[i] Minimum « tension-time » area which can be transferred to the off-load secondary, in case of unipolar pulses.
[ii] Rise time of the current pulse to the secondary with an operating current equal to Imax.
[iii] Coupling capacitance between 2 windings.
[iv] Between 2 windings, at 50Hz - 1min. Non-repetitive test.
[v] Maximum operating voltage allowed between 2 windings.

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