

PRELIMINARY TECHNICAL INFORMATION
GENERAL DESCRIPTION

Designed for the construction of static relays of great power to voltages up to $500V_{RMS}$, it produces the firing of 2 thyristors in antiparallel configuration (W1C) in the passage by zero of the network tension, which allows to obtain great advantages in the connection of loads (specially resistive).



Photo non-contractual

Using 2 or 3 modules it is possible to make three-phase applications with connection to 2 or 3 phases (W3.2C and W3C).

The specific characteristic of this product is its high inverse tension of tip ($1600V$), which allows to confront applications like the connection of condensers, for example, in equipment of regulation of reactive energy to tension of $400V_{RMS}$ network.

GENERAL DATA	
Maximum voltage	$500 V_{RMS} +10\%$ 42 a 63 Hz
Minimum recommended voltage	$100 V_{RMS}$ 42 a 63 Hz
Maximum peak voltage	1600 V.
Application circuit	W1C
Optional application circuits (more modules)	W3.2C; W3C

CONTROL	
Voltage	6 a $30V_{DC}$
Current	<25mA / module

LIGHT INDICATORS	
Control signal (on state)	Yellow LED

TRIGGER	
Typical turn-on voltage	12V

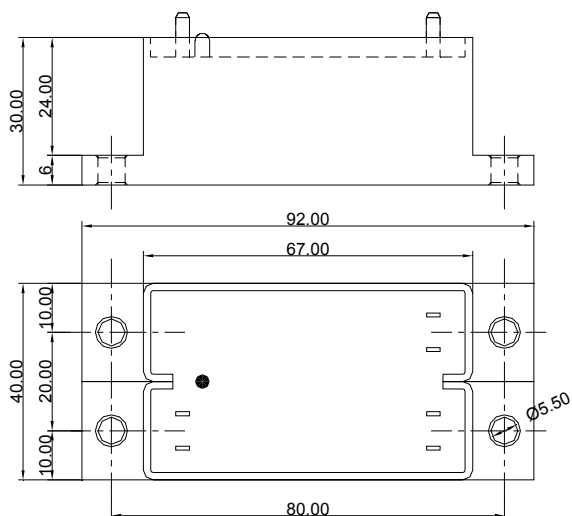
TERMINAL SPECIFICATIONS	
Control	Fast-on 2,8 x 0,5 mm.
Thyristors (gate and catode)	

ENVIRONMENT SPECIFICATIONS	
Protection grade	IP-00
Maximum humidity	50% Rh @ 35°C / 70% RH @ 20°C
Pollution grade	III
Isolation voltage (control-thyristors)	$2500 V_{RMS}$ / 1min

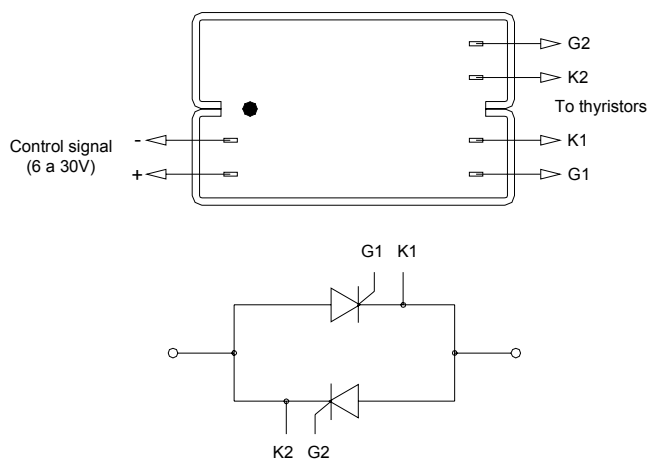
MECHANICAL PROPERTIES	
Module	92x40x30 mm.
Fixation	4 Holes $\varnothing 5,5$ (compatible to standard modules with 80 mm. interaxis)
Weight	132 grs.

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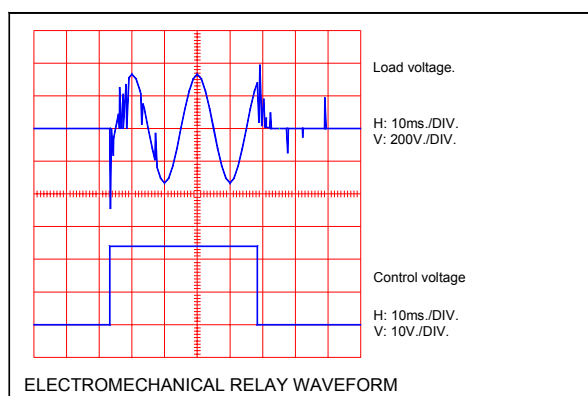
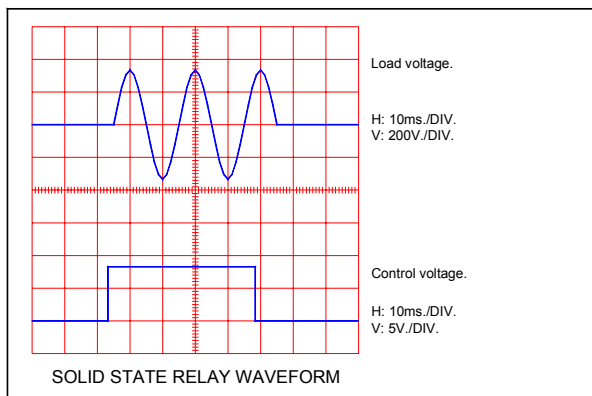
DIMENSIONS



APPLICATION CIRCUIT



WAVEFORMS (STATIC RELAY - ELECTROMECHANICAL RELAY)



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Advance Information: The product design is complete and final characterisation for volume production is well in hand.

No Annotation: The product parameters are fixed and the product is available to datasheet specification.

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