

PRELIMINARY TECHNICAL INFORMATION

HIGHLIGHTS

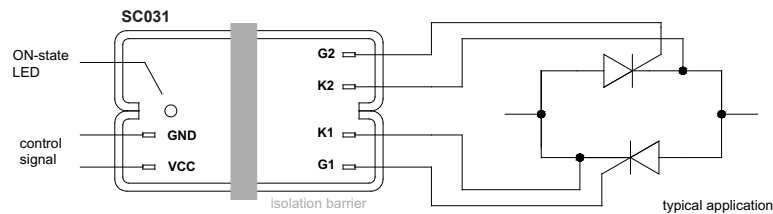
- For thyristor up to 3000V_{DRRM}
- On-state control LED indication
- Modular system.
- Ready to use.



non-contractual photo

GENERAL DESCRIPTION

Designed for the construction of great power AC static relays, for voltages up to 1200V_{AC}. SC030 triggers 2 thyristors in antiparallel configuration (W1C), which allows to obtain great advantages in the connection of loads (specially resistive).



ABSOLUTE MAXIMUM RATINGS

description	symbol	conditions & notes	min	max	units
continuous working AC voltage	V_{K1K2}	network freq. 42 to 63Hz	200	1320	V _{AC}
maximum AC peak voltage	$V_{K1K2\ peak}$			3000	V _{PEAK}
control trigger voltage	V_{CC}		8	30	V
control to output isolation	V_{ISO}	1min @ 50Hz		5000	V _{AC}
delay input control to gate	t_d	$V_{cc} = 10\ V$		50	us

RECOMMENDED OPERATION CONDITIONS

description	symbol	conditions & notes	min	typ	max	units
continuous working AC voltage	V_{K1K2}	network freq. 42 to 63Hz	500		1200	V _{AC}
control trigger voltage	V_{CC}			12		V
control current consumption	I_{CC}			25	30	mA

MECHANICAL SPECIFICATIONS

description	symbol	units
dimensions	HxBxT	92x40x30 mm
Weight	W	132 gr
control and power terminals		Fast-on 2,8 x 0,5 mm.
module fixation		4 Holes Ø5,5 (compatible to standard modules with 80 mm. interaxis)

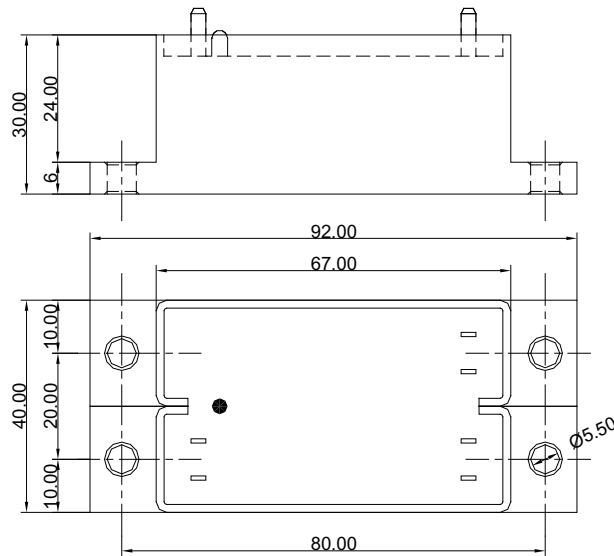
ENVIRONMENTAL SPECIFICATIONS

description	units
Protection grade	IP-00
Maximum humidity	50% Rh @ 35°C / 70% RH @ 20°C

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Reserves the right to change limits, test conditions and dimensions given in this data sheet at any time without previous notice.

DIMENSIONS DRAWING



APPLICATION INFO

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

Its high reverse voltage (3000V) makes the SC031 suitable for the connection of the capacitors in equipments of reactive energy regulation (up to 690V_{RMS} network).

Cost Effective Products

SEMICODE ELECTRONICA

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