

## CARACTERISTICAS

- Para aplicación en bucle cerrado
- Hasta 660 V<sub>RMS</sub> de entrada
- Aislamiento óptico
- Salida de 10V ajustable
- Gran margen de tensión de alimentación
- Bajo coste

## HIGHLIGHTS

- For close loop application
- 660 V<sub>RMS</sub> max. input voltage
- Optical isolated
- Adjustable 10 V output
- High margin of supply voltage
- Low cost



Photo non-contractual

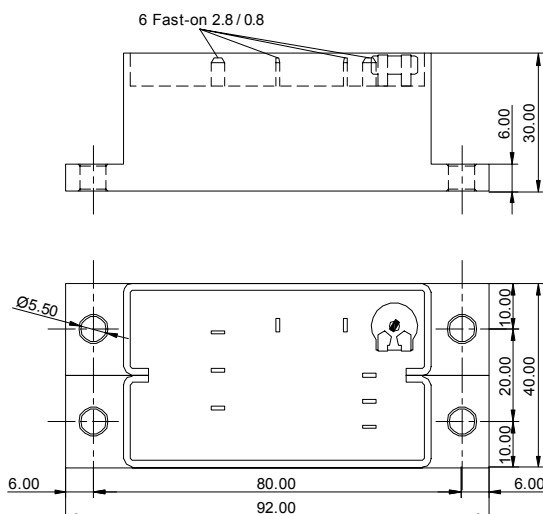
| CARACTERISTICAS GENERALES / GENERAL CHARACTERISTICS  |                                     |
|--|-------------------------------------|
| Frecuencia de entrada / Input frequency              | 0-400Hz (DC-AC)                     |
| Tensión máx. entrada Vin / Max. input voltage Vin    | 660 V (AC-DC)                       |
| Rango de medida / measuring range                    | 3 - 660 V                           |
| Corriente de entrada / Input current                 | 3mA (max.)                          |
| Resistencia de medida R1 * / Measuring resistance R1 | Ohms 500xVin (AC-DC)                |
| Potencia R1 / Power R1                               | Ver tabla / see table               |
| Tensión de salida / Output voltage                   | 0-10 V <sub>DC</sub> (Ajust./ Adj.) |
| Corriente de salida / Output current                 | 3 mA                                |
| Aislamiento / Isolation                              | 5300 V <sub>RMS</sub> / 1 min.      |

\* R1 provista por el usuario / R1 provided by user

| ALIMENTACION / SUPPLY                      |                         |
|--|-------------------------|
| Tensión de alimentación / Supply voltage   | 12 - 24 V <sub>DC</sub> |
| Consumo de corriente / Current consumption | Max. 3,5 mA             |

| ESPECIFICACIONES AMBIENTALES / ENVIRONMENT SPECIFICATIONS |                              |
|---|------------------------------|
| Grado de protección / Protection grade                    | IP-00                        |
| Humedad máxima / Maximum humidity                         | 80%Rh sin cond. / Without c. |
| Grado de polución / Pollution grade                       | III                          |

| DIMENSIONES / DIMENSIONS |                            |
|--------------------------|----------------------------|
| Módulo / Module          | 92x40x30 mm.               |
| Fijación / Fixation      | 4 tal. Ø5,5 / 4 holes Ø5,5 |
| Peso / Weight            | Aprox. 130 grs.            |

**DIMENSIONES / DIMENSIONS**

**APLICACION / APPLICATION**

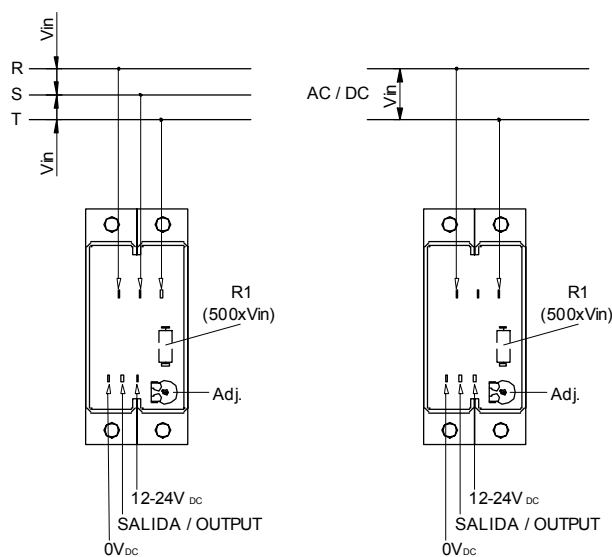
-El modulo RGCAV02OA es un transductor de tensión optoaislado para utilizar con las realimentaciones de las tarjetas de control (sistemas en lazo cerrado) / The RGCAV02OA module is an optoisolated voltage transducer for use with control cards realimentations (close loop systems).

-La tensión de entrada puede ser monofásica, trifásica o continua / The input voltage can be a single-phase, triphase or DC.

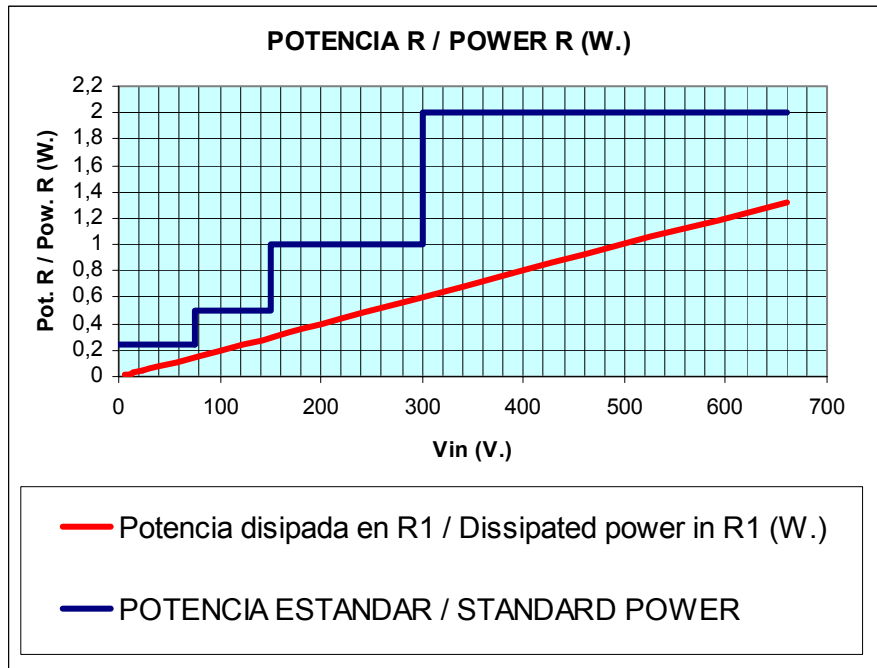
-Debe conectarse una resistencia (R1, ver tabla para seleccionar el valor) / A resistor must be connected (R1, see table for value selection).

-El potenciómetro ajustable permite obtener una salida máxima de 10V con precisión / The adjustable potentiometer allows to obtain accurate 10V output.

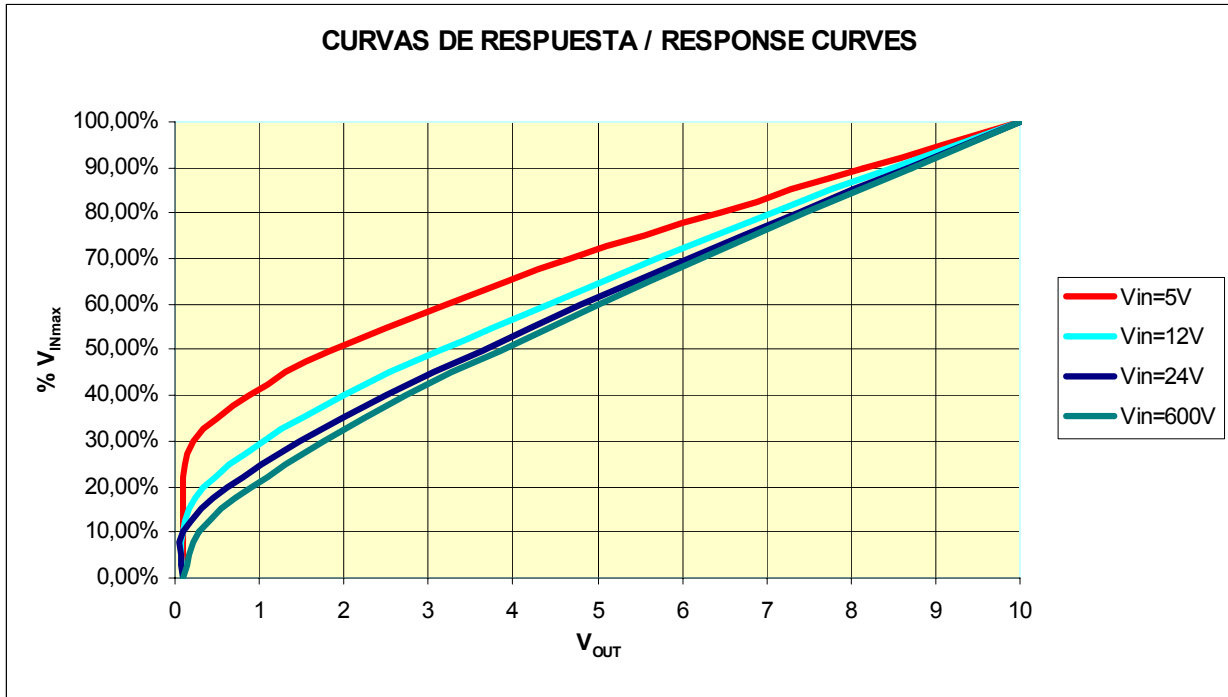
-La tensión de salida es rectificadada (entrada AC) o una tensión continua positiva (entrada DC) / The output signal is an rectified voltage (AC input) or a positive continuous voltage (DC input).



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| CALC. DE LA RESISTENCIA R1 / R1 RESISTOR CALC. |                       |       |       |       |
|--|-----------------------|-------|-------|-------|
| R (Ohms)                                       | R=500xV <sub>IN</sub> |       |       |       |
|  | hasta / to            |       |       |       |
| V <sub>IN</sub> (V)                            | 75 V                  | 150 V | 300 V | 660 V |
| POTENCIA / POWER (W)                           | 1/4 W                 | 1/2 W | 1 W   | 2 W   |



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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.

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## Cost Effective Products

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**Tentative information:** This is the most tentative form of information and represents a very preliminary specification. No actual design work on the product has been started.

**Preliminary Information:** The product is in design and development. The datasheet represents the product as it is understood but details may change.

**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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