Compliance : IEC 688
Power transducers
Measuring & conversion
Dielectric Strength
Impulse test
Surge test

Model : RPVS

Features

- The RP series are DIN-case electrical power transducers designed for the general industries applications
- Manufactured to strict compliance IEC 688.
- The input & output parameters are per-selected from a wide range of industries' compatible signals and other non-stated ranges are available on request or as options
- Well-proven applied circuitries fully ensuring long term stability
- DIN case in small size of space saving
- Protective touch-proof terminals and enclosure meeting requirements of VBG4 & VDE 0106 part 100 (Germany)

New Hybrid Asic Designed Electric Transducer

- High performance & stability of less than 100 ppm drift per ºC change
- High impulse & surge protection of up to 5KV (RMS) meeting IEC 255-4
- Commonly for DIN rail-mounting

Order form

RPVS ■ ■
Vn On

1 unit of avg. to rms conversion

(*. self-powered type)

Example : RPVS-V2-O3

Input & output parameters

Vn : Voltage input	Vn	V1	V2	V3	On : Output		
	rating	150 V	300 V	500 V	O1 0~1 mA	O2 0~20 mA	O3 4~20 mA
	range	0~150V	0~300V	0~500V		O5 0~10 mA	O6 0~1V
					O7 0~5 V	O8 0~10 V	O9 2~10 V
					O10 1~5 V		

Note :
Zero based outputs only

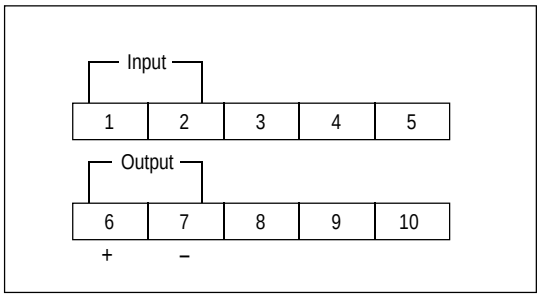
HSIANG CHENG ELECTRIC CORP.
http://www.hc.com.tw ✉ expo.sales@hc.com.tw
4F., No.11, Ln. 235, Baoqiao Rd., Xindian Dist., New Taipei City 231, Taiwan
TEL：886-2-2917-5865~9 FAX：886-2-2917-3946

AC VOLTAGE TRANSDUCER

Specification

Accuracy (23 ± 5ºC)	0.2% ro (avg.), 0.4% ro (Trms)
Stability	Maximum 100ppm / ºC, less 0.2% drift per year typically
Input burden	1VA / element typically
Frequency	50±2Hz, 60±2Hz
	Voltage related input : maximum 1.5 rated continuous (500V)
Output load	DC current mode : maximum 10V drop
	DC voltage mode : maximum 1mA drive
Response & ripple	< 400ms for step change 0-95%, ripple less 0.5% ro peak-peak
Magnetic effect	< 0.05% change 1M center 100 ampere-turn, synchronized with line frequency
Aux. power effect	< 0.005% for per voltage change
Dielectric strength	4KV AC rms 1 minute between terminals to case IEC 688
	2KV AC rms 1 minute between input / output / power IEC 688
Impulse / SWC	IEC 255-4, 5KV 1.2x50us, IEC255-22-1, 2.5KV (1MHz / 400Hz)
Operating condition	-5 to 60ºC, 20 to 99% RH non condensing
Storage condition	-20 to 70°C, 20 to 99% RH non condensing
Radio screening	RFI degree N complies with VDE 0875
Enclosure code	Case IP 50 / terminals IP 30, complies with IEC 529, BS 5490 DIN 40050

Terminals Connection



Dimension