

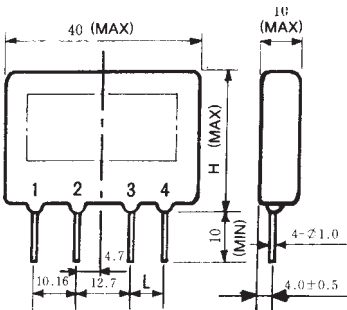
A5P

AC SOLID STATE RELAY SERIES

Features	2 to 4 Amperes.
	All solid state AC relays for AC motor, solenoid, lamp and heater control
	Photo isolation
	Built in Zero Voltage Circuit & snubber
	Small size, vertical type
	PWB mounting

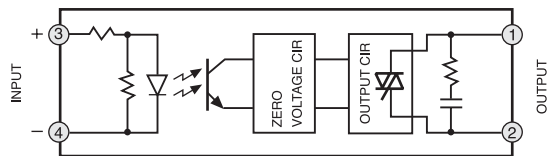


■ Dimensions (mm)



MODEL\SIZE	L(mm)	H(mm)
A5P-202	5.08	25
A5P-203	5.08	25
A5P-204	5.08	30

■ Equivalent Circuit



Ratings

Items		Symbols	A5P-202	A5P-203	A5P-204	Units
Output	Output Load Voltage	V_{OTYP}	200~240			V_{ACrms}
	Output Load Current	I_{OTYP}	2	3	4	A_{ACrms}
	Peak Repetitive Off State Voltage	V_{DRM}	600			V
Input	Maximum Input Voltage	V_{IMAX}	24			V_{DC}
	Input Impedance	Z_{IN}	1.5			$K\Omega$
General	Dielectric Strength	V_{ISO}	4,000 (INPUT-OUTPUT)			V_{ACrms}
	Isolation Resistance	R_{ISO}	10^8 (MIN) DC500V (INPUT-OUTPUT)			Ω
	Operating Temperature Range	T_{OPR}	-20~+80			$^{\circ}C$
	Storage Temperature Range	T_{STG}	-30~+100			$^{\circ}C$

Electrical Characteristics

Items		Symbols	A5P-202	A5P-203	A5P-204	Units
Output	Load Voltage Range	V_o	50~264			V_{ACrms}
	Off State Leakage Current	I_{LEK}	5.0(MAX) $V_o = V_{OTYP}$			mA_{ACrms}
	On State Voltage Drop	V_{SAT}	1.5 (MAX) ($T_{OPR} = 25^{\circ}C$)			V_{ACrms}
	Minimum Load Current	I_{OMIN}	20			mA_{ACrms}
Input	Input Voltage Range	V_i	3 ~ 24			V_{DC}
	Pick-up Voltage	V_p	3.0 (MAX)			V_{DC}
	Drop-out Voltage	V_d	1.0 (MIN)			V_{DC}
General	Response Time	T_{RES}	1/2 CYCLE+1 msec(MAX)			
	Capacitance	C_{IO}	15 (MAX) (INPUT-OUTPUT)			PF
	Zero Voltage Circuit		Built In			