

Solid State Relay (Panel mount)

Features

- ▶ TTL/CMOS compatible(DC Version)
- ▶ Reverse voltage protection (Input)
- ▶ Optically isolated (Input - Output)
- ▶ Zero cross / Random turn ON
- ▶ Panel mountable
- ▶ In-built snubber
- ▶ Safety cover



Applications

- ▶ Motor control
- ▶ Traffic lights
- ▶ Packaging machine

Specification

Parameter	Unit	MS00-DZ-T10	HS00-DR-T10	HS00-AR-T10	MS00-DZ-T25	HS00-AR-T25	MA00-DZ-T15	MA33-DZ-T40	HA00-DZ-T15	HA33-DZ-T40	HS00-DZ-T10	HS00-DZ-T25	HA00-DZ-T25	MA00-DZ-T25	
Switching type		Zero cross	Random	Random	Zero cross	Random	Zero cross	Zero cross	Zero cross	Zero cross	Zero cross	Zero cross	Zero cross	Zero cross	
Output		Triac	Triac	Triac	Triac	Triac	Triac	Triac	Triac	Triac	Triac	Triac	Triac	Triac	
INPUT CIRCUIT															
Control voltage range	V	5 - 32 DC	5 - 32 DC	90 - 280 AC	5 - 32 DC	90 - 280 AC	5 - 32 DC	5 - 32 DC	5 - 32 DC	5 - 32 DC	5 - 32 DC	5 - 32 DC	5 - 32 DC	5 - 32 DC	
Control Current	mA max.	12	12	30	12	30	12	12	12	12	12	12	12	12	
Drop-out voltage	V min.	1 DC	1 DC	10 AC	1 DC	10 AC	1 DC	1 DC	1 DC	1 DC	1 DC	1 DC	1 DC	1 DC	
Input resistance	Ohm	Const. Current	Const. Current	30,000	Const. Current	30,000	Const. Current	Const. Current	Const. Current	Const. Current	Const. Current	Const. Current	Const. Current	Const. Current	
OUTPUT CIRCUIT															
Load voltage range	V rms	24 - 280 AC	24 - 280 AC	24 - 280 AC	24 - 280 AC	24 - 280 AC	24 - 280 AC	24 - 330 AC	24 - 280 AC	24 - 330 AC	24 - 280 AC	24 - 280 AC	24 - 280 AC	24 - 280 AC	
Peak-off-state-voltage	V drn	800	600	600	800	600	800	800	600	600	600	600	600	800	
Load current range	A rms	10	10	10	25	25	15 (max)	40(max)	15 (max)	40(max)	10	25(max)	25(max)	25(max)	
Off-state leakage current	mA max.	10	10	10	10	10	10	10	10	10	10	10	10	10	
Peak 10µs surge current	A peak	160	160	160	250	250	160	250	160	250	160	160	160	160	
Snubber	ohm:nF	47:47	47:47	47:47	47:100	47:100	47:47	47:100	47:47	47:100	47:47	47:100	47:100	47:100	
GENERAL DATA															
Turn-on time	mS max.	11	0.1	0.1	11	0.1	11	11	11	11	11	11	11	11	
Turn-off time	mS max.	11	11	11	11	11	11	11	11	11	11	11	11	11	
Frequency range	Hz	47 - 63	47 - 63	47 - 63	47 - 63	47 - 63	47 - 63	47 - 63	47 - 63	47 - 63	47 - 63	47 - 63	47 - 63	47 - 63	
Isolation volt. Between															
- input/output	V rms	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	
- input-output/base	V rms	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	
Operating temperature	°C	-20 to +70	-20 to +70	-20 to +70	-20 to +70	-20 to +70	-20 to +70	-20 to +70	-20 to +70	-20 to +70	-20 to +70	-20 to +70	-20 to +70	-20 to +70	

Dimensions

