





■ Solid State Relay Lineup

Package	Applied voltage	ON-state current (rms)	Features	Model No.	Page
DIP 6-pin 	AC 100 V lines	0.15 A	General purpose	PR22MA11NTZF▲	31
	AC 200 V lines	0.06 A	General purpose	PR31MA11NTZF	31
		0.15 A	General purpose	PR32MA11NTZF	31
DIP 8-pin 	AC 200 V lines	0.3/0.6/0.9/1.2 A	General purpose	PR33MF5 series / PR39MF5 series / PR36MF5 series / PR3BMF5 series / PR36MF12NSZF▲	31
		0.6/0.9/1.2 A	Built-in zero-cross circuit	PR36MF2 series / PR39MF2 series	31

The model marked with ▲ may not be available in the near future. Contact with SHARP for details before use.



■ Solid State Relays

<DIP type>

○: Approved

(Ta = 25°C)

Model No.	Internal connection diagram	Features	Approved by safety standards*1			Package	Absolute maximum ratings			Electrical characteristics			
			UL	CSA	VDE*2		ON-state current I _T (rms) (A)	Repetitive peak OFF-state voltage V _{DRM} (V)	Isolation voltage (AC) V _{ISO} (rms) (kV)		Min. trigger current I _{FT} (mA) MAX. V _D = 6 V, R _L = 100Ω		
PR22MA11NTZF▲		100 V lines, 150 mA model in a small package	○	○	○	6-pin DIP	0.15	400	5.0	10			
PR31MA11NTZF		200 V lines, compact	○	○	○		0.06	600		10			
PR32MA11NTZF		200 V lines, 150 mA model in a small package	○	○	○		0.15			10			
PR33MF51NSLF		200 V lines, compact	○	○	○	8-pin DIP	0.3	600	4.0	10			
PR33MF52NSLF		200 V lines, compact	○	○	○		0.6			10			
PR36MF51NSLF		200 V lines, compact	○	○	○					5	10		
PR36MF12NSZF▲		200 V lines, compact, low input current	○	○	○						0.9	5	
PR39MF51NSLF		200 V lines, compact	○	○	○		1.2			10			
PR3BMF51NSLF		200 V lines, compact	○	○	○					5	10		
PR3BMF52NSZF▲		200 V lines, compact, low input current	○	○	○						0.6	5	
PR36MF21NSZF			200 V lines, compact (built-in zero-cross circuit)	○	○		○			600	0.9	5	10
PR36MF22NSZF			200 V lines, compact (built-in zero-cross circuit), low input current	○	○		○						5
PR39MF22NSZF	200 V lines, compact (built-in zero-cross circuit), low input current		○	○	○	0.9	5						

*1 Please refer to Specification Sheets for model numbers approved by safety standards.

*2 Optionally available.

The model marked with ▲ may not be available in the near future. Contact with SHARP for details before use.



PR22MA11NTZF
(6-pin DIP)

PR36MF21NSZF
(8-pin DIP)

Notice

In the absence of confirmation by device specification sheets, SHARP takes no responsibility for any defects that may occur in equipment using any SHARP devices shown in catalogs, data books, etc.
 Except where specially indicated, models listed on this page comply with the RoHS Directive*. For details, please contact SHARP.
 *RoHS Directive: Prohibits use of lead, cadmium, hexavalent chromium, mercury and specific brominated flame retardants (PBBs and PBDEs), with certain exceptions.
 Contact SHARP in order to obtain the latest device specification sheets before using any SHARP device.