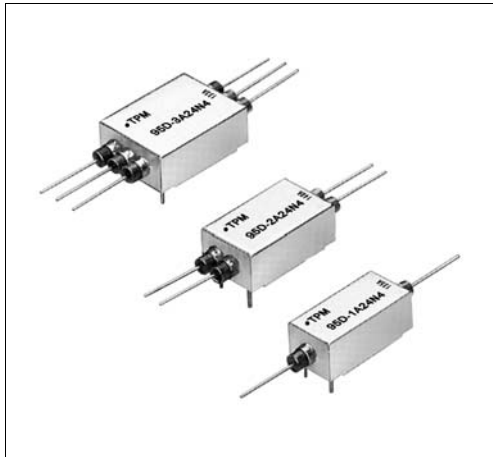


High Insulation Resistance Reed Relays



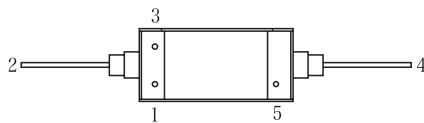
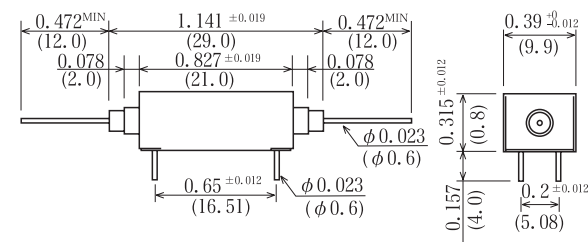
The 95 series features the ultra high insulation resistance in the Sanyu relays product line. Easy mounting became possible by and this structure, and also controlling minute signal possible by guarding both Electrostatic Shield and Magnetic Shield.

- High insulation resistance up to 10^{14}
- Available 1 form A, 2 form A, and 3 form A
- Contact rating available 10W and 50W
- Lead configuration in lead and PCB

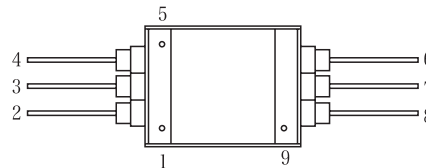
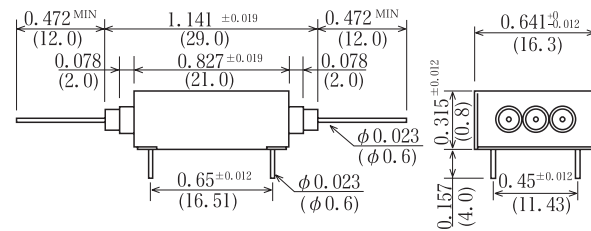
Mechanical Dimensions

All dimensions are measured
in inches (millimeters).

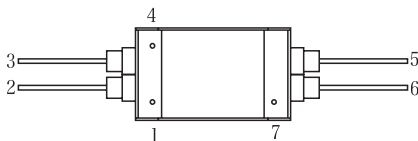
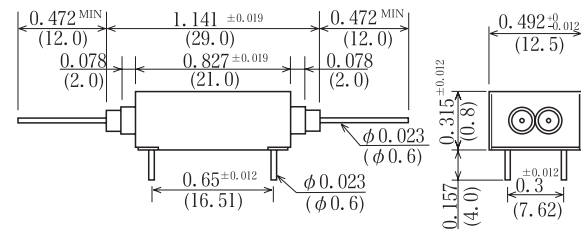
9 5 D - 1 A □ 4 N 4 - □ □



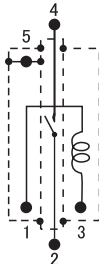
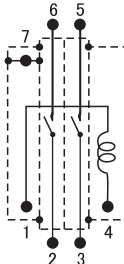
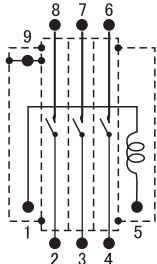
9 5 D - 3 A □ 4 N 4 - □ □



9 5 D - 2 A □ 4 N 4 - □ □





95D Series			Model Number		Model Number		Model Number		Model Number		Model Number								
			95D-1A□4N4-60		95D-1A□4N4		95D-2A□4N4-60		95D-2A□4N4		95D-3A□4N4-60		95D-3A□4N4						
Parameters		Test Condition		Units		1 Form A			2 Form A			3 Form A							
Coil Specifications																			
Nominal coil voltage				VDC	5	12	24	5	12	24	5	12	24						
Coil resistance		±10% at20°C		Ω	450	2500	8000	260	1500	6000	180	1000	4000						
Operating voltage		15°C~35°C		VDC Max	4.0	9.6	19.2	4.0	9.6	19.2	4.0	9.6	19.2						
Release voltage		15°C~35°C		VDC Min	0.7	1.2	2.4	0.7	1.2	2.4	0.7	1.2	2.4						
Contact Ratings																			
Switching voltage		Peak AC resistance		Volts	100	350	100	350	100	350	100	350	100	350					
Switching current		Max. DC/Peak AC resistance		Amps	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5					
Carry current		Max. DC/Peak AC resistance		Amps	1.0	2.5	1.0	2.5	1.0	2.5	1.0	2.5	1.0	2.5					
Contact rating		Max. DC/Peak AC resistance		Watts	10	50	10	50	10	50	10	50	10	50					
Life expectancy		1V. 10mA		×10 ⁶ cycles	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000					
Contact resistance		Maximum initial		mΩ	150	150	150	150	150	150	150	150	150	150					
Contact resistance stability		Maximum initial		mΩ	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0					
Relay Specifications																			
Insulation resistance		Between open contacts		Ω-min	10 ¹⁴	10 ¹⁴	10 ¹⁴	10 ¹⁴	10 ¹⁴	10 ¹⁴	10 ¹⁴	10 ¹⁴	10 ¹⁴	10 ¹⁴					
		Contacts to shield		Ω-min	10 ¹³	10 ¹³	10 ¹³	10 ¹³	10 ¹³	10 ¹³	10 ¹³	10 ¹³	10 ¹³	10 ¹³					
		Shield to coil		Ω-min	10 ¹¹	10 ¹¹	10 ¹¹	10 ¹¹	10 ¹¹	10 ¹¹	10 ¹¹	10 ¹¹	10 ¹¹	10 ¹¹					
Capacitance				pF-Max															
Across open contacts		Shield guarding																	
Contact to Shield		Contacts open, Shield floating																	
Open contact to coil		Shield guarding																	
Dielectric strength		Between contacts		VDC	200	500	200	500	200	500	200	500	200	500					
		Contacts to shield			1000	1000	1000	1000	1000	1000	1000	1000	1000	1000					
Operating time		At nominal coil voltage,		msec	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0					
(Including. bounce)		100Hz Square wave																	
Release time		Diode suppression		msec	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0					
Environmental Ratings				Schematics Top view															
Measurement reference conditons																			
Temp. : 15°C~35°C Humidity : 25%~85%RH																			
Atmospheric pressure : 860~1060hPa																			
Storage temp. : -40°C~+80°C																			
Operating temp : -20°C~+60°C																			
The operating and Release Voltage and the coil resistance are specified at 20°C. These values change approximately 0.4%/°C change in the ambient temperature.																			
Vibration : 20Gs to 2000Hz																			
Shock : 50Gs																			
																			

Notes :

- (1) Values are specified with a resistive load being applied. A contact protective circuit is required for C and L type loads.
- (2) The values for the operating time and release time however, are when the rated coil voltage is applied and a clamp diode is attached.

ORDERING CODE

9 5 D - □ A □ 4 N 4 - □ □
(1) (2) (3)

Example 95D-1A14N4 Represents Series 95D 1Form A, Dry Reed (Rhodium), Coil Voltage 5V and Electrostatic Shield.

- | | | |
|-----------------------|------------------|--------------------------|
| (1) Number of capsule | (2) Coil Voltage | (3) Special Code Example |
| 1-1 capsule | 1-5VDC | 60-Contact Rating 10W |
| 2-2 capsules | 2-12VDC | |
| 3-3 capsules | 3-24VDC | |