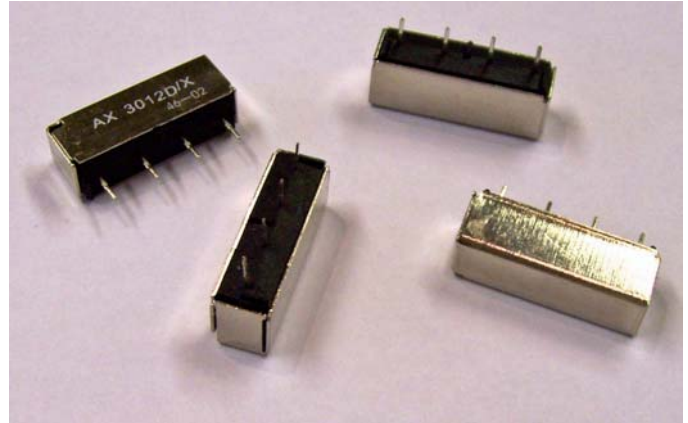


300 Series SIL Relays

The Astralux 300 series single-in-line, magnetically screened reed relays provide a 10 watt normally open contact with a range of coil voltages and optional diode protection. The Astralux 300 series relays are ideally suited for interface switching on automatic test equipment.

Design Features

- SIL for maximum board density
- Magnetic screening
- High density in line pin spacing
- Low profile for 0.5 inch board spacing
- Automatic insertion potential
- Moulded package resistant to moisture ingress from cleaning agents
- High input/output isolation to all points
- Stable contact resistance
- Fast operate and release times



Dimensions	Technical Data				
	Contact Rating DC		VDC	AMPS	WATTS
	(Max)		100	0.5	10
	Contact Resistance				
	(Initial)		150 milliohms		
	Isolation Voltage				
	Contact to contact		200 VDC minimum		
	Coil to contact		1500 VDC typical		
	Insulation Resistance				
	Coil to contact		10 ⁹ ohms at 25°C and 40%RH measured at 85 VDC		
	Contact to contact		10 ⁹ ohms at 25°C and 40%RH measured at 85 VDC		
Operate Time					
@ Nom. Coil drive inc. bounce		1.0 ms max.			
Temperature Range					
Operate		-40°C to 85°C			
Storage		-40°C to 100°C			

Coil Data (@25°C)							
Form	Circuit Schematics	Part Number	Nom. Coil Voltage	Coil Res. ±10% at 25°C	Must Op. Volts	Must Rel. Volts	Max. Volts
SIL 4 PIN 1 FORM A		3005	5V	500Ω	3.75V	0.5V	7.5V
		3012	12V	1000Ω	9.0V	1.2V	18.0V
		3024	24V	2000Ω	18.0V	2.4V	36.0V
		3005	5V	500Ω	3.75V	0.5V	7.5V
		3012	12V	1000Ω	9.0V	1.2V	18.0V
		3024	24V	2000Ω	18.0V	2.4V	36.0V

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