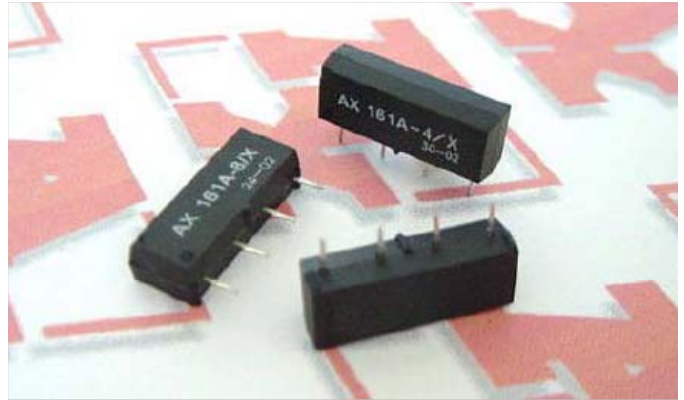


160 Series SIL Relays

The Astralux 160 series single-in-line reed relays comply with internationally recognized I.C style packaging. Available in a standard 4 pin reduced profile package the design provides a normally open contact and a range of coil voltages, with optional diode protection.

Design Features

- SIL for maximum board density
- 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
- Models available with normally closed contacts



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		161A-1	5V	500Ω	3.75V	0.5V	7.5V
		161A-3	12V	1000Ω	9.0V	1.2V	18.0V
		161A-7	24V	2000Ω	18.0V	2.4V	36.0V
		161A-2	5V	500Ω	3.75V	0.5V	7.5V
		161A-4	12V	1000Ω	9.0V	1.2V	18.0V
		161A-8	24V	2000Ω	18.0V	2.4V	36.0V

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