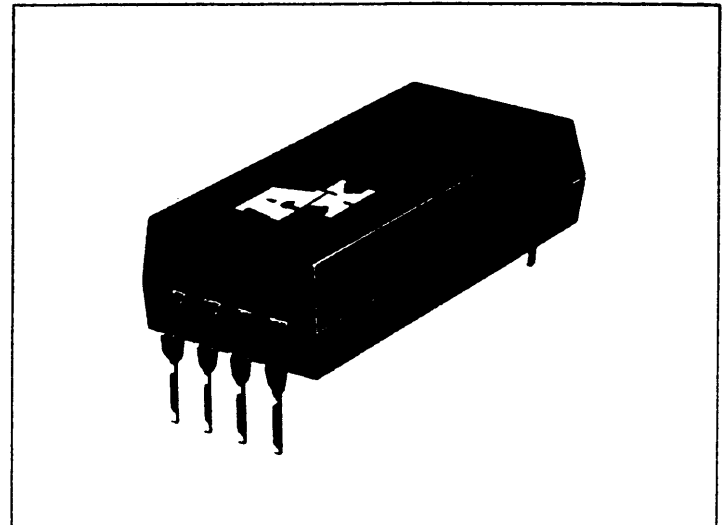


DESCRIPTION

The Astralux 180 series is a complete family of moulded relays. Available in Form A, 2 Form A, Form B, (magnetically biased), Form C and 2 Form C. All models offer coils of 5, 12 or 24 volts designed to keep drive levels to a minimum.



Form	Circuit Schematics	Type 180 0.100" Centres (2.54)	Nom Coil V d.c. @ 20°C	Nom Coil Ω @ 20°C	Diode	Maximum Switch Ratings		
						Volts d.c.	Amps d.c.	Watts d.c.
1 FORM A		181A-3	5	500	—	200	0.50	10
		181A-4	5	500	Yes			
		181A-5	12	1000	—			
		181A-6	12	1000	Yes			
		181A-7	24	2000	—			
		181A-8	24	2000	Yes			
2 FORM A 240 Vac		182A-33	5	105	Yes	240 Vac	0.5	10
		182A-34	12	630	Yes			
		182A-35	24	2300	Yes			
2 FORM A		182A-1	5	375	—	200	0.50	10
		182A-2	5	375	Yes			
		182A-3	12	1000	—			
		182A-4	12	1000	Yes			
		182A-5	24	2000	—			
		182A-6	24	2000	Yes			
1 FORM B		181B-3	5	500	—	200	0.50	10
		181B-4	5	500	Yes			
		181B-5	12	1000	—			
		181B-6	12	1000	Yes			
		181B-7	24	2000	—			
		181B-8	24	2000	Yes			
1 FORM C		181C-1	5	500	—	175	0.25	3
		181C-2	5	500	Yes			
		181C-3	12	1000	—			
		181C-4	12	1000	Yes			
		181C-5	24	2000	—			
		181C-6	24	2000	Yes			
2 FORM C		182C-1	5	375	—	175	0.25	3
		182C-2	5	375	Yes			
		182C-3	12	1000	—			
		182C-4	12	1000	Yes			
		182C-5	24	2000	—			
		182C-6	24	2000	Yes			

- ★ Additional designs available to meet alternative requirements (e.g. Latching Relay).
- ★ Application information upon request from our sales force or factory.
- ★ Make contact with Astralux to solve all your switching problems.

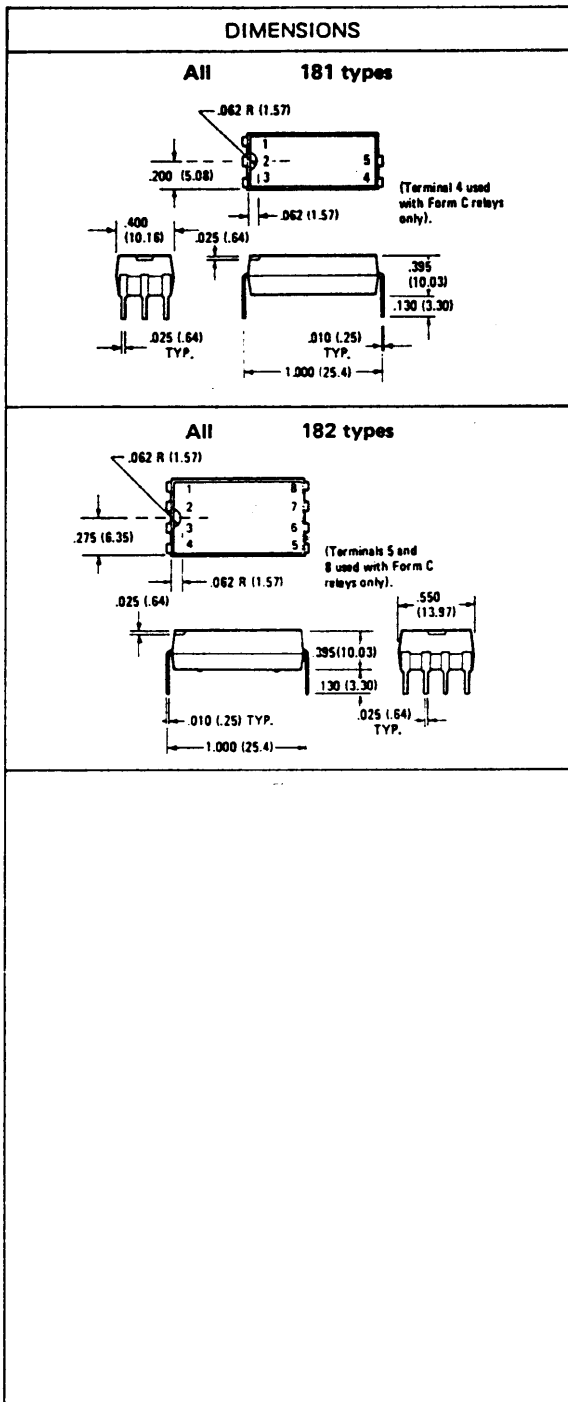
180 SERIES REED RELAYS (TECHNICAL DATA)

INRUSH CURRENT —

Exceeding the contact rating due to inrush currents will shorten the life of the switch. Circuit precautions should be observed when switching inductive or capacitive loads.

STRAY CAPACITANCE —

Can shorten switch life. A series resistor connected at switch end will extend the life.



ADDITIONAL DATA

	Nominal V d.c.	Must Operate V d.c.	Must Release V d.c.	Max Continuous V d.c.
1. Coil Operating Voltages at 20°C				
FORM A & C	5	3.7	0.5	7.5 (5.0)
FORM (B)	12	9.0	1.0	18.0 (24.0)
	24	18	2.0	36.0 (24)
(The Following are typical Values)				
	FORM A	FORM B	FORM C	
2. Operate Time (mS) at nominal voltage: (Inc. Bounce)	1.00	0.100	1.20	
3. Release Time (mS) (Inc. Bounce).	0.470	0.400	1.20	
4. Insulation Resistance (Ω)				
coil-contact @ 500 V d.c.	10^9	10^9	10^9	
contact-contact @ 85 V d.c.	10^9	10^9	10^9	
5. Breakdown Voltage (V d.c.) coil-contact Tested to 500V d.c.	2000	2000	2000	
contact-contact (240Vac)	400 (600)	400	250	
6. Initial Contact Resistance ($m\Omega$) at 20 A/T overdrive.	100	100	150	
7. Capacitance Coil — Contact (pF)				
1 Form	4.0	3.0	5.0	
2 Form	4.0	—	6.0	
Contact-Contact (pF)	2.0	2.5	2.5	
8. Contact Operating Frequency (Hz)	500	500	500	
9. Operational Temperature Range (°C)	-40/+105	-40/+105	-40/+105	

OTHER ASTRALUX PRODUCTS

Other quality products from Astralux include a very comprehensive range of reed relays and solid state switching devices, also a full range of Post Office and Ministry approved Plugs, Sockets and Emergency Light units. Full details available on request.

We reserve the right to change, without prior notice, information contained in this leaflet.



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