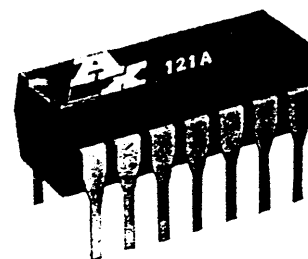


DUAL IN LINE

DESCRIPTION

The Astralux 120/130 series offers the most complete range of D.I.L. relays. Available in Form A, 2 Form A, Form B (magnetically biased) and Form C. The range offers contact ratings up to 10 watts in Form A and B and 4 watts in form C. Models are suitable for automatic insertion on standard 14 pin receptacles or for p.c.b. mounting. Automatic relay testing ensures complete reliability at low cost.



Form	Circuit Schematics	Type 120	Type 130	Nom Coil V d.c. @ 20°C	Nom Coil Ω	Diode	Maximum Switch Ratings		
		14 pin	8 pin				Volts d.c.	Amps d.c.	Watts d.c.
1 FORM A		121A-3 121A-4 121A-5 121A-6	131A-3 131A-4 131A-5 131A-6	5 5 12-24 12-24	500 500 2900 2900	— Yes — Yes	100	0.50	10
2 FORM A		122A-1 122A-2 122A-3 122A-4 122A-5 122A-6	132A-1 132A-2 132A-3 132A-4 132A-5 132A-6	5 5 12 12 24 24	200 200 500 500 2150 2150	— Yes — Yes — Yes	28	0.11	3
1 FORM B		121B-3 121B-4 121B-5 121B-6	131B-3 131B-4 131B-5 131B-6	5 5 12 12	500 500 2900 2900	— Yes — Yes	100	0.50	10
1 FORM C		121C-1 121C-2 121C-3 121C-4 121C-5 121C-6	131C-1 131C-2 131C-3 131C-4 131C-5 131C-5	5 5 12 12 24 24	80 80 450 450 1750 1750	— Yes — Yes — Yes	28	0.25	3
1 FORM C		125C-1 125C-2 125C-3 125C-4 125C-5 125C-6	135C-1 135C-2 135C-3 135C-4 135C-5 135C-6	5 5 12 12 24 24	150 150 500 500 2150 2150	— Yes — Yes — Yes	100	0.20	4
4 Pin Versions									
1 FORM A		141A-3 141A-4 141A-5 141A-6	4 Pin S.I.L.	5 5 12-24 12-24	500 500 2900 2900	— Yes — Yes	100	0.50	10
1 FORM A		147A-1 147A-2	4 Pin S.I.L.	5 5	200 200	— Yes	500	0.50	10
1 FORM A		151A-1 151A-2	4 Pin D.I.L.	5 5	200 200	— Yes	100	0.50	10

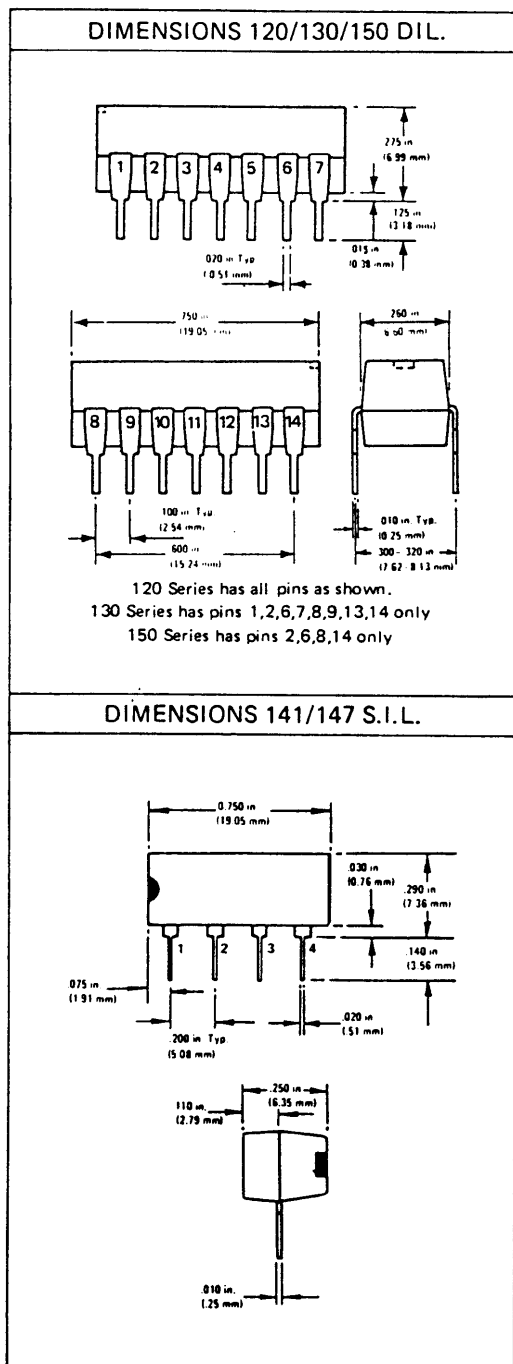
DUAL IN LINE REED RELAYS (TECHNICAL DATA)

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 (12.0)
	24	18.0	2.0	36.0 (24.0)
(The Following are typical Values)				
2. Operate Time (mS) at nominal voltage: (Inc. bounce)	FORM A	FORM B	FORM C	
	0.250	0.10	0.500	
3. Release Time (mS) (Inc. bounce)	0.15	0.60	1.3	
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 500V d.c.				
	2000	2000	2000	
contact-contact (2 Form A)	250 (200)	250	250	
6. Initial Contact Resistance ($m\Omega$) at 20 A/T overdrive. (2 Form A)				
	100 (200)	150	150	
7. Capacitance Coil — Contact (pF)				
1 Form	3.0	5.0	5.0	
2 Form	3.0			
Contact-Contact (pF)	2.0	3.0	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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