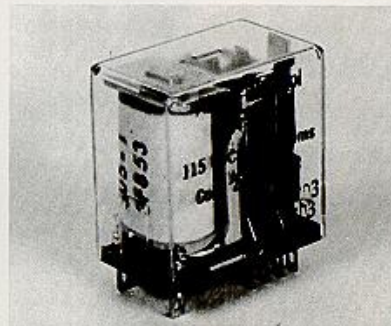


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DC Cradle Relays

T154/TF154/T163/TY154 (up to 4 form C)—
Standard DC Voltage Adjustment

COIL RESISTANCE at 25°C ± 10% (Ohms)			VDC at 25°C		
2 and 4 Form A, B, C, D Pick-up 500 mw	6 Form A, B, C or D Pick-up 850 mw	8 Form A, B, C or D Pick-up 1000 mw	Pick-up (Max)	Nominal	Max. Continuous
10	6	6	2.25	3.0	2.2W Coil Disp
52	25	20	4.5	6.0	
185	90	75	9.0	12.0	
700	430	430	18.0	24.0	
2500	1550	1275	36.0	48.0	
15,000	9000	9000	86.0	115.0	



TS154/TSF154/TS163—Sensitive DC Voltage Adjustment

COIL RESISTANCE at 25°C ± 10% (Ohms)				VDC at 25°C		
1 and 2 Form A, B, C, D Pick-up 100 mw	4 Form A, B, C, D Pick-up 175 mw	6 Form A, B, C or D Pick-up 250 mw	8 Form A, B, C or D Pick-up 400 mw	Pick-up (Max.)	Nominal	Max. Cont.
52	30	20	12	2.25	3.0	2.2W Coil Disp.
185	110	75	52	4.5	6.0	
800	430	350	190	9.0	12.0	
3200	1800	1275	800	18.0	24.0	
13,000	7500	5200	3200	36.0	48.0	

TS154/TSF154/TS163—Sensitive DC Current Adjustment

MAXIMUM PICK-UP CURRENT (mA)						
Coil Resistance at 25°C ± 10%	2 Form A, B, C, D Pick-up 85 mw	4 Form A, B, C or D Pick-up 175 mw	6 Form A, B, C or D Pick-up 250 mw	8 Form A, B, C or D Pick-up 400 mw	Max. Coil Current (mA)	
1000	8.5	13.0	16.0	20.0	45.0	
2500	5.8	8.4	10.0	13.0	28.0	
5000	4.1	6.2	7.2	9.0	20.0	
10,000	3.1	4.5	5.0	6.4	14.0	
15,000	2.6	3.5	4.2	5.3	11.5	

TSS154/TSS163—Ultra-sensitive Voltage Adjustment

COIL RESISTANCE at 25°C ± 10% (Ohms)					VDC at 25°C	
1 Form A, B, C, D Pick-up 20 mw	2 Form A, B, C, D Pick-up 40 mw	3 and 4 Form A, B, C, D Pick-up 80 mw	Pick-up (Max.) VDC	Nominal VDC	Max. Cont.	
220	110	52	2.25	3	2.2W 25°C	
1000	500	250	4.5	6		
4000	2000	1000	9.0	12		
9000	4500	2200	13.5	18		
15,000	7500	3700	18.0	24		

TSS154/TSS163—Ultra-sensitive Current Adjustment

Coil Resistance at 25°C ± 10%	MAXIMUM PICK-UP CURRENT (mA)				Max. Cont. Coil Current (mA)
	1 Form A, B, C, D Pick-up 20 mw	2 Form A, B, C, D Pick-up 40 mw	3 Form A, B, C, D Pick-up 80 mw	4 Form A, B, C, D Pick-up 80 mw	
1000	4.5	6.5	9.0	9.0	45.0
2500	2.9	4.1	5.8	5.8	28.0
5000	2.1	2.9	4.1	4.1	20.0
10,000	1.5	2.0	3.0	3.0	14.0
15,000	1.2	1.7	2.4	2.4	11.5

Ordering Information

☐ T ☐ I ☐ II ☐ III ☐ IV ☐ V ☐ VI VDC

i. Immersion Sealing

For immersion sealed relays add prefix S.

I. Type

Standard—No designation necessary
Sensitive—Insert letter S
Ultra-sensitive—Insert letter SS

II. Contact Rating

Low level to 2 ampere—No designation necessary
5 ampere—Insert letter F¹
10 ampere—Insert letter Y²

III. Terminal Type and Mounting

Single stud—Insert letter V
Tapped holes in top—Insert letter W
Solder/plug-in—No designation necessary

Printed circuit—Insert letter P

IIIA. Light Option

For light option—Insert letter L
(UL recognition pending)

IV. Contact Type

Single contacts—Insert code 154
Bifurcated contacts—Insert code 163
Cross-bar bifurcated,
gold-platinum-silver alloy (WE #1)
contacts—Insert code K163

V. Contact Configuration

DPDT or 2 form C or C-C—Insert 2C
4 PDT or 4 form C or
CC-CC—Insert 4C
6 PDT or 6 form C or
CCC-CCC—Insert 6C
8 PDT or 8 form C or
CCCC-CCCC—Insert 8C

VI. Nominal Coil Voltage (VDC) or
Maximum Operate Current
(mADC)

Select one from coil data table

Example #1

T154-2C-24VDC
(T relay, 2 amp contacts rating,
2 form C, 24VDC coil)

Example #2

TSFP154-2C-24VDC
(T relay, sensitive adjust, 5 ampere
contacts rating, printed circuit terminals,
2 form C, 24VDC coil)

Note: For mating sockets, see page 8.

¹Not available with SS adjustments.
TF163 UL recognition pending.

²Not available in bifurcated contacts or
with S or SS adjustments.
UL recognition pending.

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