

T & F - Range

Auxilliary Contacts, Time Delay Blocks, Mechanical Latching Blocks

Instantaneous Time Delay Contact Characteristics

Type		UNIT	TA1D	TA2D	TA3D	TA8D
Number of contacts			2 or 4	2	2	2
Rated operational Voltage (Ue)	Upto	V		660		
Rated Insulation Voltage (Ui)	Conforming to IEC 60947-1	V		690		
	Conforming to CSA C22-2 No. 14	V	6 00	-	-	-
Rated Thermal current (Ith)	For ambient temperature $\leq 40^{\circ}\text{C}$	A	10			
Frequency of operational current		Hz	25...400			
Minimum switching capacity	U min	V	17			
	I min	mA	5			
Short time rating	Permissible for	1s	A	100		
		500ms	A	120		
		100 ms	A	140		
Insulation resistance		M Ω	>10			
Time Delay	Ambient air temperature for operation $^{\circ}\text{C}$		-40...+70	-40...+70		
(TA2D & TA3D contact blocks)	Repeat accuracy		-	$\pm 5\%$	$\pm 5\%$	
Accuracy only valid for setting range indicated on the front face	Drift upto 0.5 million operating cycles		+ 15%	+ 15%		
	Drift depending on ambient air temp.	-	0.25% per $^{\circ}\text{C}$	0.25% per $^{\circ}\text{C}$	-	
Mechanical Life	In millions of operating cycles		30	5	5	30



TA1-DN22



TA8-DN

Standard, instantaneous auxilliary contact blocks

No. of Contacts	Contacts		Snap-On Mounting	Catalog Number	
	NO	NC			
4	2	2	To the front of TC1D09 to D80 LC1F115A-780A TP1D09 to D32 & TCA2DN / TCA3DN	TA1DN22	
	1	3		TA1DN13	
	4	0		TA1DN40	
	0	4		TA1DN04	
	3	1		TA1DN31	
2	1	1		TA1DN11	
	2	0		TA1DN20	
	0	2		TA1DN02	
1	1	0		To the front of TC1D40 to D95 TP1D40 to D80	TA1DN10
	0	1			TA1DN01
2	1	1		To the side of TC1D09 to D95 TP1D09 to D32 & TCA2DN / TCA3DN	TA8DN11
	2	0	TA8DN20		

Pneumatic Timer Block (Front Mounted)

Description	Contacts		Range	Catalog Number
	NO	NC		
ON Delay	1	1	0.1 ... 3s	TA2-DT0
ON Delay	1	1	0.1 ... 30s	TA2-DT2
ON Delay	1	1	10 ... 180s	TA2-DT4
OFF Delay	1	1	0.1 ... 3s	TA3-DR0
OFF Delay	1	1	0.1 ... 30s	TA3-DR2
OFF Delay	1	1	10 ... 180s	TA3-DR4
On Delay	1	1	1 ... 30s*	TA2-DS2

* With switching time of 40msec \pm 15 msec between the opening of NC contact to the closing of NO contact (for Star Delta application)



TA1-DN20



TA2-DT2