

T&F-Line Contactors

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 | 600 | - | - | - |
| Rated Thermal current (Ith) | For ambient temperature ≤40°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 | | |
| | | 500 ms | A | 120 | | |
| | | 100 ms | A | 140 | | |
| Insulation resistance | | MΩ | >10 | | | |
| Time Delay | Ambient air temperature for operation°C | | -40...+70 | -40...+70 | | |
| | (TA2D & TA3D contact blocks) | Repeat accuracy | - | ± 5% | ± 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°C | 0.25% per°C | - | |
| Mechanical Life | In millions of operating cycles | | 30 | 5 | 5 | 30 |

Standard, instantaneous auxilliary contact blocks

| No. of Contacts | Contacts | | Snap-On Mounting | Catalog Number | |
|-----------------|----------|----|--|--|---------|
| | NO | NC | | | |
| 4 | 2 | 2 | To the front of TC1D09~D95 LC1F115A~800A TP1D09~D80 TP1DC09/12/25 TCA2DN/TCA3DN | TA1DN22 | |
| | 1 | 3 | | TA1DN13 | |
| | 4 | 0 | | TA1DN40 | |
| | 0 | 4 | | TA1DN04 | |
| | 3 | 1 | | TA1DN31 | |
| 2 | 1 | 1 | | TA1DN11 | |
| | 2 | 0 | | TA1DN20 | |
| 1 | 0 | 2 | | TA1DN02 | |
| | 1 | 0 | | To the front of TC1D09~D95 TP1D09~D80 TP1DC09/12/25 | TA1DN10 |
| | 0 | 1 | | TA1DN01 | |
| 2 | 1 | 1 | To the side of TC1D09~D95 TP1D09~D80 TP1DC09/12/25 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 | TA2DT0 |
| ON Delay | 1 | 1 | 0.1 ... 30s | TA2DT2 |
| ON Delay | 1 | 1 | 10 ... 180s | TA2DT4 |
| OFF Delay | 1 | 1 | 0.1 ... 3s | TA3DR0 |
| OFF Delay | 1 | 1 | 0.1 ... 30s | TA3DR2 |
| OFF Delay | 1 | 1 | 10 ... 180s | TA3DR4 |
| On Delay | 1 | 1 | 1 ... 30s* | TA2DS2 |

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

D



TA1DN22



TA8DN11



TA1DN20



TA2DT2

