

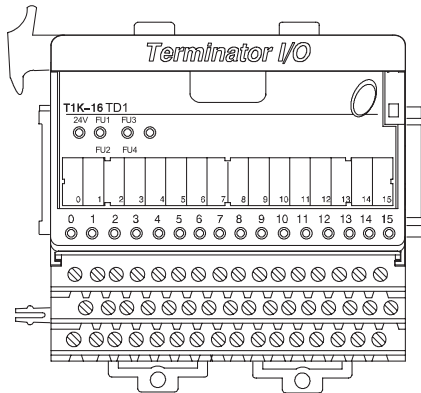
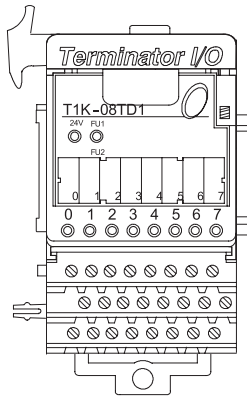
# DC Output Modules

## T1K-08TD1 T1K-16TD1

### 8-point and 16-point, current sinking DC output modules

The 8-point DC module uses a T1K-08B or T1K-08B-1 base, which is purchased separately.

The 16-point DC module uses a T1K-16B or T1K-16B-1 base, which is purchased separately.



| Specifications                                 | T1K-08TD1                                 | T1K-16TD1  |
|--|---|--|
| <b>Outputs per Module</b>                      | 8 (sink)                                  | 16 (sink)  |
| <b>Commons per Module</b>                      | 2 internally connected                    | 4 internally connected   |
| <b>Operating Voltage Range</b>                 | 6-27 VDC min./max.                        |  |
| <b>Output Voltage Range</b>                    | 5-30 VDC min. / max.                      |  |
| <b>Peak Voltage</b>                            | 50 VDC                                    |  |
| <b>Max. Output Current</b>                     | 1A / pt., 4A / common                     |  |
| <b>Max. Leakage Current</b>                    | 15 $\mu$ A @ 30 VDC                       |  |
| <b>ON Voltage Drop</b>                         | 0.3 VDC @ 1.0A                            |  |
| <b>Max. Inrush Current</b>                     | 2A for 100 ms                             |  |
| <b>OFF to ON Response</b>                      | < 10 $\mu$ s                              |  |
| <b>ON to OFF Response</b>                      | < 60 $\mu$ s                              |  |
| <b>Base Power Required</b>                     | 100 mA @ 5 VDC                            | 200 mA @ 5 VDC   |
| <b>External Power Required</b>                 | 200 mA max. @ 20-28 VDC                   | 400 mA max. @ 20-28 VDC  |
| <b>Status Indicators</b>                       | Logic side                                |  |
| <b>Error Status Indicators</b>                 | 24 V ON = low external power              |  |
|  | FU1/FU2 ON = blown fuse                   | FU1/FU2 ON = fuse 1 or 2 blown<br>FU3/FU4 ON = fuse 3 or 4 blown |
| <b>Fuses (User Replaceable)<br/>T1K-FUSE-1</b> | 2   |  |
|  | (6.3 A, 250 V / common) NQ3-6.3 SOC Corp. |  |
| <b>Weight</b>                                  | 85 g                                      | 140 g  |

### Equivalent Output Circuit

