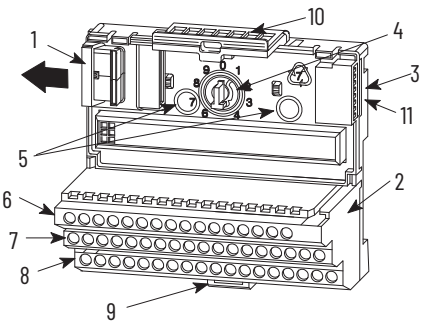
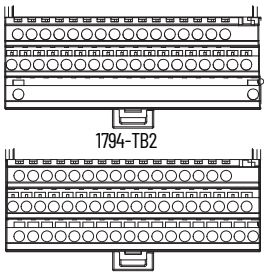
Terminal Base Overview

FLEX I/O™ terminal bases are a required part of the FLEX I/O family. Which terminal base you need depends on the specific FLEX I/O module requirements.

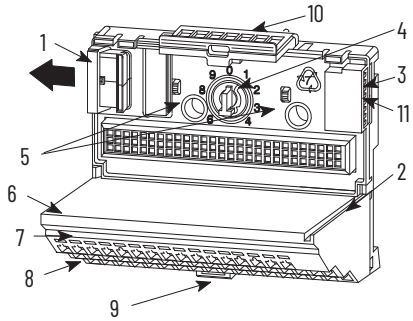
FLEX I/O Cage-clamp Terminal Base Units – 1794-TB2, 1794-TB3, 1794-TB3K, 1794-TB32, 1794-TB3G, 1794-TB3GK, 1794-TB3T, 1794-TB3TK

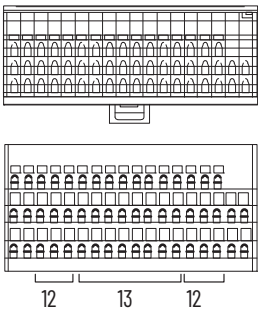




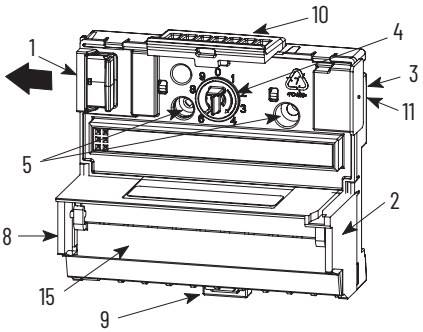
1794-TB2, 1794-TB3, 1794-TB3K, 1794-TB32, 1794-TB3G, 1794-TB3GK, 1794-TB3T, 1794-TB3TK

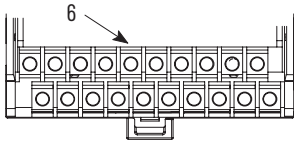
FLEX I/O Spring-clamp Terminal Base Units – 1794-TB3S, 1794-TB3SK, 1794-TB32S, 1794-TB3GS, 1794-TB3GSK, 1794-TB3TS, 1794-TB3TSK



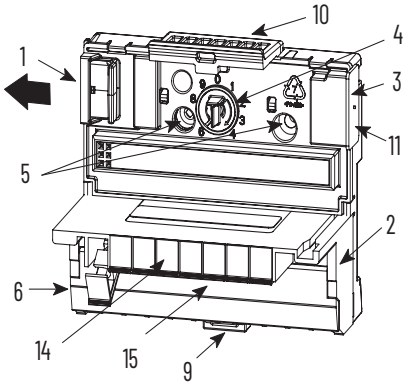


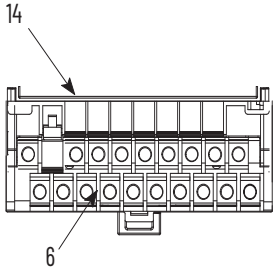
FLEX I/O Terminal Base Units –1794-TBN, 1794-TBNK





FLEX I/O Fused Terminal Base Units – 1794-TBNF, 1794-TBNFK





Terminal Base Unit Description

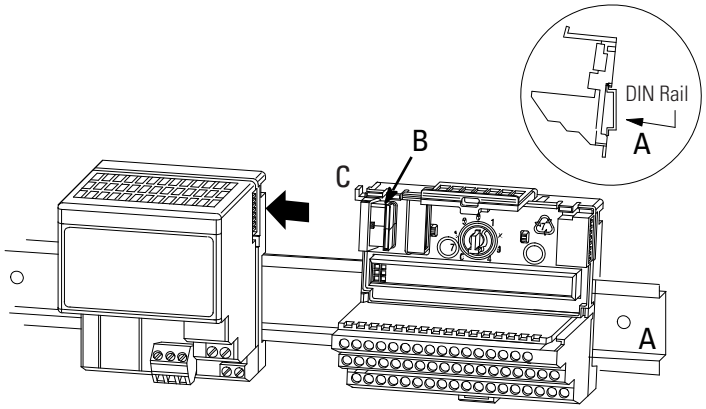
	Description
1	Female Flexbus connector
2	Terminal base unit
3	Male Flexbus connector
4	Keyswitch - set to the position required for the installed module
5	Mounting holes for panel mounting
6, 7, 8	Input/output terminal strips for connecting inputs/output wiring, commons, power connections, customer power supplies, chassis grounds
9	Locking tab
10	Module locking latch
11	Cover plug for male Flexbus connector
12	Cold junction compensation terminals (1794-TB3T, 1794-TB3TS, 1794-TB3TK, 1794-TB3TSK only)
13	Chassis ground terminations (1794-TB3T, 1794-TB3TS, 1794-TB3TK, 1794-TB3TSK, 1794-TB3G, 1794-TB3GS, 1794-TB3GSK only)
14	Fuses - eight 5 x 20 mm (1794-TBNF only)
15	Terminal strip cover (1794-TBN, 1794-TBNK, 1794-TBNF only)

Mount the Terminal Base Unit on a DIN Rail

ATTENTION: During mounting of all devices, be sure that all debris (such as metal chips or wire strands) is kept from falling into the module. Debris that falls into the module could cause damage upon application of power.

1. Remove the cover plug (if used) in the male connector of the unit to which you are connecting this terminal base unit.
2. Check to make sure the 16 pins in the male connector on the adjacent device are straight and in line so that the mating female connector on this terminal base unit will mate correctly.
3. Make certain the female connector **(B) is fully retracted.**
4. Position the terminal base unit on the 35 x 7.5 DIN rail (A) (Allen-Bradley® catalog number 199-DR1) at a slight angel and hook it over the top of the DIN rail.

ATTENTION: Do not force the terminal base into the adjacent base/adapter. Forcing the units together can bend or break the hook and allow the units to separate and break communication over the backplane.



5. Make sure the hook (C) on the terminal base slides under the edge of the adapter and the Flexbus connector is fully retracted. Slide the terminal base over, tight against the adapter.
6. Rotate the terminal base onto the DIN rail with the top of the rail hooked under the lip on the rear of the terminal base. **Make sure that the female Flexbus connector does not strike any of the pins in the mating connector.**
7. Press down on the terminal base to lock it on the DIN rail. If the terminal base does not lock into place, use a screwdriver or similar device to open the locking tab, press down on the base, and release the locking lever to lock the base in place.