

1794 FLEX I/O Terminal Base Units

Standard FLEX I/O Catalog Numbers 1794-TB2, 1794-TB3, 1794-TB3K, 1794-TB32, 1794-TB3G, 1794-TB3GK, 1794-TB3T, 1794-TB3TK, 1794-TB3S, 1794-TB3SK, 1794-TB32S, 1794-TB3GS, 1794-TB3GSK, 1794-TB3TS, 1794-TB3TSK, 1794-TBN, 1794-TBNF, 1794-TBNK, 1794-TBKD, 1794-TB37DS, 1794-TB62DS

The letter K in the last position of the catalog number, before the series designation, indicates a conformal coated versions of standard modules and can be used with extended temperature modules (modules ending in -XT).

FLEX I/O Accessories Catalog Numbers 1794-CE1, 1794-CE3, 1794-NM1, 1794-LBL, 1794-N2, 1794-CJC2

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Each FLEX I/O™ module requires a terminal base unit that snaps onto the DIN rail to the right of the I/O adapter. The terminal bases provide terminal connection points for I/O wiring and plug together to form the backplane. They are available with cage, screw or spring - clamp terminations.

Each FLEX I/O module has optional accessories available depending on the I/O module, field system set-up and requirements.

Additional Resources

These documents contain additional information concerning related products from Rockwell Automation.

Resource	Description
Industrial Automation Wiring and Grounding Guidelines, publication 1770-4.1	Provides general guidelines for installing a Rockwell Automation industrial system.
Product Certifications website, http://www.rockwellautomation.com/products/certification/	Provides declarations of conformity, certificates, and other certification details.

You can view or download publications at <http://www.rockwellautomation.com/literature/>. To order paper copies of technical documentation, contact your local Allen-Bradley® distributor or Rockwell Automation sales representative.



Available Terminal Base Units and Accessories

Types of Terminal Base and Accessories

Type	Description
Terminal Base	Standard terminal base units which consist of different available termination types such as cage-clamp, spring-clamp and screw-clamp.
D-Shell Terminal Base	D-shell termination for both digital and analog modules, available with 37-pin or 62-pin.
Accessories	Accessories consist of panel kit, label kit, dummy filler module, cold junction compensation kit and extender cables.

Catalog Numbers

Module Type	Catalog Numbers	Page
Terminal Base Units	1794-TB2 1794-TB3 1794-TB3K 1794-TB32 1794-TB3G 1794-TB3GK 1794-TB3T 1794-TB3TK 1794-TB3S 1794-TB3SK 1794-TB3ZS 1794-TB3GS 1794-TB3GSK 1794-TB3TS 1794-TB3TSK 1794-TBKD 1794-TBN 1794-TBNK 1794-TBNF	3
D-Shell Terminal Base	1794-TB37DS 1794-TB62DS	6
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FLEX I/O Terminal Base Units

Technical Specifications

Catalog	Termination type	Connections	Used in applications	Current capacity, max	Wiring category	Purpose
1794-TB2	Cage clamp	16 I/O; 18 common terminals; 2 +V terminals	Up to 125V AC/DC	10 A	2	A generic 2-wire version of the 1794-TB3.
1794-TB3 1794-TB3K ⁽¹⁾		16 I/O; 18 common terminals; 18 +V terminals			2,3 or 4	Primarily intended for use with input modules when using 3-wire input proximity switches – can also be used with output modules.
1794-TB3S 1794-TB3SK	Spring clamp		Up to 31.2V DC			A spring clamp version of the 1794-TB3 – provides faster, simpler wire installation.
1794-TB32	Cage clamp	32 I/O; 8 common terminals; 8 +V terminals				A 32-point version of the 1794-TB3 to be used with 32-point digital modules and the 1794-IB16D module.
1794-TB32S	Spring clamp					A spring clamp version of the 1794-TB32.
1794-TB3G 1794-TB3GK	Grounded screw clamp	36 I/O; 2 common terminals; 2 +V terminals;				A screw clamp terminal base unit with individual grounding used with certain analog modules.
1794-TB3GS 1794-TB3GSK	Grounded spring clamp	10 chassis ground terminals				A spring clamp version of the 1794-TB3G.
1794-TB3T 1794-TB3TK	Cage clamp, temperature	16 I/O; 10 common terminals; 4 +V terminals; 8 chassis ground terminals;			Up to 125V AC/DC	
1794-TB3TS 1794-TB3TSK	Spring clamp, temperature	2 sets (6 terminals) of CJC for temperature modules		A spring clamp version of the 1794-TB3T.		
1794-TBKD	Cage clamp, knife disconnect	16 I/O; 18 common terminals; 2 +V terminals	Up to 132V AC		A cage clamp terminal base with 16 knife disconnects.	
1794-TBN 1794-TBNK	Screw clamp, NEMA-style	16 I/O; 2 common terminals; 2 +V terminals	250V AC/DC		A NEMA-style screw clamp terminal base for larger gauge wires with a cover for I/O wiring.	
1794-TBNF ⁽²⁾	Screw clamp, fused NEMA-style				Provides eight 5 x 20 mm fused, screw terminals with a cover for I/O wiring.	

- (1) The letter K in the last position of the catalog number, before the series designation, indicates a conformal coated versions of standard modules and can be used with extended temperature modules (modules ending in -XT)
- (2) Contains eight 5 x 20 mm fuses (one for each even-numbered terminal – 0...14 on row B). Shipped with 1.6 A, 250V AC Slow Blow fuse suitable for the 1794-0A8 AC output module and 1794-0W8 module with a replacement fuse. Refer to individual installation instructions for fusing recommendations for other modules.