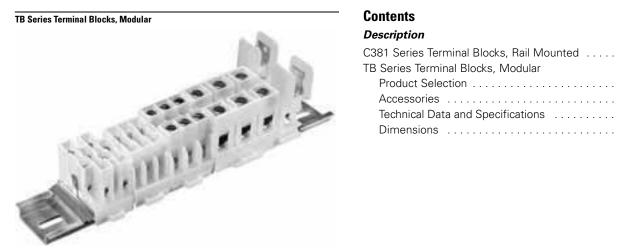
Terminal Blocks, Fuse Blocks and Fuse Holders

NEMA

Product Selection

Accessories



TB Series Terminal Blocks, Modular

Product Description

TBA and TBD modular terminal blocks are designed to conserve space, while allowing maximum flexibility and ease of installation. Available as one-, two- and three-pole circuits, simple and uniform installation is possible because their design is based on 5/8 in (15.9 mm) modules. Standard blocks are white nylon.

Breathing Action Clamping Collar

The unique design of the clamping collar permits the collar to breathe as the wire expands and contracts, maintaining a constant and permanent clamping pressure. This eliminates loose connections resulting from the gradual flattening of conductors and joint deterioration caused by heating and cooling cycles.

Features

- **Blocks—Design Features**
- Compact design permits mounting 48-600V or 90-300V terminals per foot
- Fully shielded construction, 600V spacings
- Nylon construction provides anti-tracking and impact resistance
- TBA types are available in rail mounted, base mounted and power distribution types
- Terminal blocks easily snap on or off mounting rails; not necessary to disturb adjacent units
- No end pieces or backing plates are needed when rail mounting
- A 12 circuit subminiature blocks, rated 20A at 300V, is available for "high density" applications
- Popular blocks are also available in dual mount for use with standard TBA or 35 mm DIN rails

Terminals—Design Features

- Insulated walls of lug • guide wire into lug
- Blocks are shipped . with clamping screw backed out
- Constant locking torque keeps terminal screws in position
- Terminal screws are captive; cannot be lost in shipment or handling
- Hardened stainless steel clamping collar eliminates stripped threads
- Large opening in clamping collar accommodates oversized conductors; smallest collar will accept three 14 AWG stranded conductors

Standards and Certifications

- UL recognized: File No. E56797
- CE approved



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Technical Data and Specifications
                            V7-T8-114
                            V7-T8-115
Dimensions
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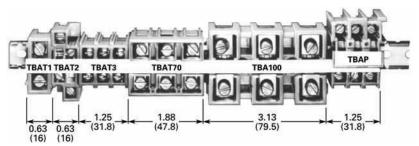
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V7-T8-107

V7-T8-112 V7-T8-113

Product Selection

TBA Modular Terminal Blocks



Rail and Base Mounted Terminal Blocks

					TBA Rail	DIN Rail ³
Description	AWG Wire Size	Number of Poles	Ampacity (per Circuit) ①	Carton Quantity [©]	Catalog Number	Catalog Number
Rail Mounted—600V						
Subminiature blocks	(2) 14–12	12	5A	100	TBDSM12 ⁽⁴⁾	TBDSM12 ④
Miniature blocks	22–10	4	30A	100	TBDV4	TBDV4
Standard blocks—screw terminals with tang clamping collars	18–2	1	90A	100	_	TBDT1
	22–8	2	40A	100	TBAT2	_
	22–8	3	40A	20	TBAT3-20	TBDT3-20
	18–4	3	90A	100	TBDT70	TBDT70
High current blocks	14-2/0	3	175A	12	TBA100 6	_
Standard blocks—plug-in terminals	22–8	3	40A	20	ТВАР	_
	18–4	3	70A	20	TBAP70	_
	14-8	3	40A	20	TBAPL70	_
Panel mount blocks	22–10	3	30A	100	TBAL30	_
	8-4	3	115A	12	TBAL90	_
Disconnect blocks—for 1/4 in (6.4 mm) dia. by 1–1-7/16 in (25.4–36.5 mm) fuse	22–8	1	30A	50	TBAD	_
Fuse blocks—for 13/32 in (10.3 mm) dia. by 1-1/2 in (38.1 mm) fuse	22–8	1	30A	50	TBDTF	TBDTF
Base Mounted—600V						
Miniature blocks—screw terminals with tang clamping collars	22–10	4	30A (600V)	90	TBBT4	_
Standard blocks—standard screw terminals	22–8	3	40A	80	TBABT3	
Universal mounting blocks	8 maximum	4	50A ⁽⁶⁾	25	TBU4	_
	8 maximum	6	50A ⁽⁶⁾	60	TBU6	_
	8 maximum	8	50A [©]	45	TBU8	_
	8 maximum	12	50A 6	35	TBU12	_

Notes

^① Based on 50°C rise, test at 25°C ambient while using maximum wire size.

 $\ensuremath{\textcircled{0}}$ Must be ordered in standard package quantity or in multiples of these quantities.

③ Dual mounting blocks—mount on either TMR/TBA rail or 35 mm DIN rail.

(May also be mounted on mini-DIN rail (15 mm). Catalog Number C383TS15.

^⑤ May also be base mounted.

⁽⁶⁾ TBU Series = 60A with crimped wire.

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Accessories

TB Series Terminal Blocks, Modular

Description	Length 1	Number of Poles	Carton Quantity ^②	Catalog Number
Mounting Rail				
Aluminum	12.5 (317.5)	_	25	TMR12
	37.5 (952.5)	_	25	TMR37
	72.0 (1828.8)	_	25	TBATR72
35 mm DIN—steel	1m	_	20	MC382MA1-20
Marking Strips				
Miniature blocks—TBDV4 and TBBT4	6.0 (152.4)		50	TMS6
TBU Series—matte finish	7.5 (190.5)		25	TMSU
All other blocks	12.5 (317.5)	_	50	TMS
Jumpers				
TBAT1 and TBAP70	—	2-pole	100	TJ1
TBAT2	_	2-pole	100	TJ2
TBAT3, TBABT3, TBAP and TBBP	_	2-pole	100	TJ3
TBDV4 and TBBT4	_	4-pole	100	TJ4
TBAD and TBATF	_	2-pole	100	TJ5
TBAL30	_	2-pole	100	TJ6
TBU	_	12-pole	10	TJ7
TBDT3	_	2-pole	100	TJ8
Miscellaneous				
End piece for TBABT3 and TBBP	_	_	50	TAD
Lug shield for TBA100 and TBAL90	_	_	50	TAS
Fuse puller	_	_	50	ТВР
Lighted fuse puller—blown fuse indication	_	_	25	TBLP

Notes

① Length in inches (mm) except as noted.

⁽²⁾ Must be ordered in standard package quantity or in multiples of these quantities.

Technical Data and Specifications

TB Series Terminal Blocks, Modular

Description	Specification
Continuous temperature	212°F (100°C)
Tensile strength	10,000–12,000 psi
Impact resistance	2.0 ft-lb/in (arc)
Arc resistance	140 seconds

• Chemical resistance to:

- Acetone
- Ammonia gas
- Benzene
- Gasoline

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- Mineral oil
- Sodium bisulfate
- Sodium chloride
- Sodium nitrate
- Water up to 50°C

To find a current rating, place a straight edge horizontally at the value of anticipated maximum internal panel ambient (scale on the left), and read the current rating for the device on the bottom scale. *Example:* at 60°C, TBAT3 is rated 54 amperes.

Flashover Voltages

	Vac rms, 60 Hz				
Catalog Number	Opposite Polarity	To Ground			
TBAT1	9100	6600			
TBAT2	9600	7300			
TBAT3	8600	7300			

Ampere rating is based

on maximum allowable

temperature-ambient

temperature rise due

temperature plus

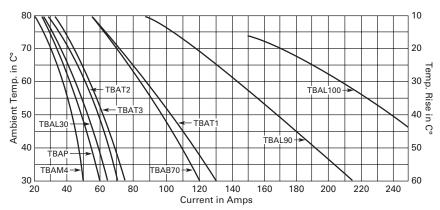
to current.

Recommended Terminal Tightening Torque

Wire Size	Torque	
Up to 8 AWG	20 lb-in	
Up to 4 AWG	35 lb-in	
Up to 2/0 AWG	50 lb-in	

Ratings based on 90°C total temperature of a three-pole block with each pole carrying current and wired with largest size conductors.

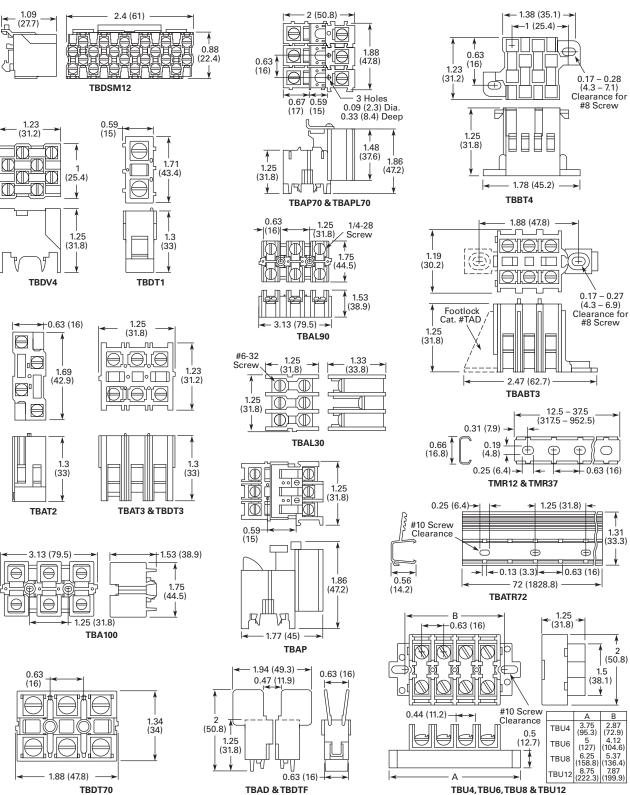
Temperature Rating



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Approximate Dimensions in Inches (mm)

TB Series Terminal Blocks, Modular



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