

T16/T74 Thermal Breaker



THE **TECHNA 16 SERIES** 'series-trip', 'push to reset' single pole circuit breaker is based on a proven snap-acting bimetallic thermal sensing element system.

Techna T16 series circuit breakers accurately sense overload conditions and interrupt the flow of current. The resettable actuator mechanism then remains disengaged until manually reset. This trusted family of circuit breakers uses proven technology and does so at a very economical price.

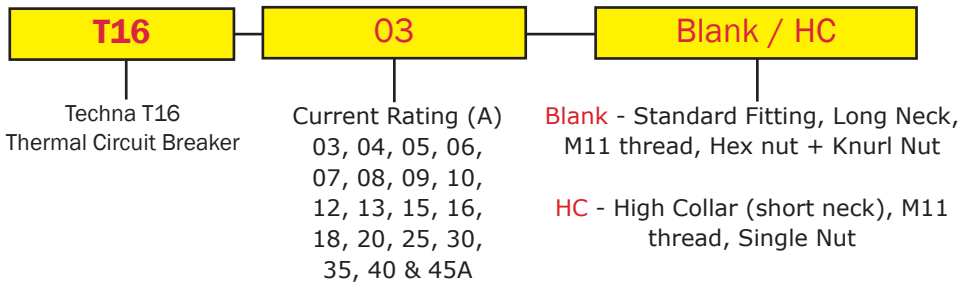
The T16 series offers amperage ratings from 3A to 45A*, and is suitable for a diversity of applications. Our products are carefully calibrated and tested to ensure reliable performance under a variety of operating conditions.

Techna 74 Technical Specification

CERTIFICATIONS:	UL, CSA, VDE
INTERRUPTING CAPACITY:	1000A
RESETTABLE OVERLOAD CAPACITY:	10 times rated current
RESET TIME:	minimum 1 minute
DIELECTRIC STRENGTH:	1,500VAC 1 minute
INSULATION RESISTANCE:	100 MT
VOLTAGE DROP:	Less than 0.25V
TEMPERATURE RISE AT TERMINAL BLOCK:	Less than 65°C (117°F)
ACCESSORIES	Nameplate, Hex Nut, Knurl Nut (see page 45)

* Due to ongoing technological advances, consult Techna for maximum current ratings

Quick Code Ordering Scheme: T16



DE-RATING MULTIPLICATION FACTORS FOR AMBIENT TEMPERATURES								
Current Rating (A)	Temperature							
	°C	+10	20	25	+30	+40	+50	+60
3 to 30A	Factor	.90	.98	1.00	1.10	1.25	1.61	2.00

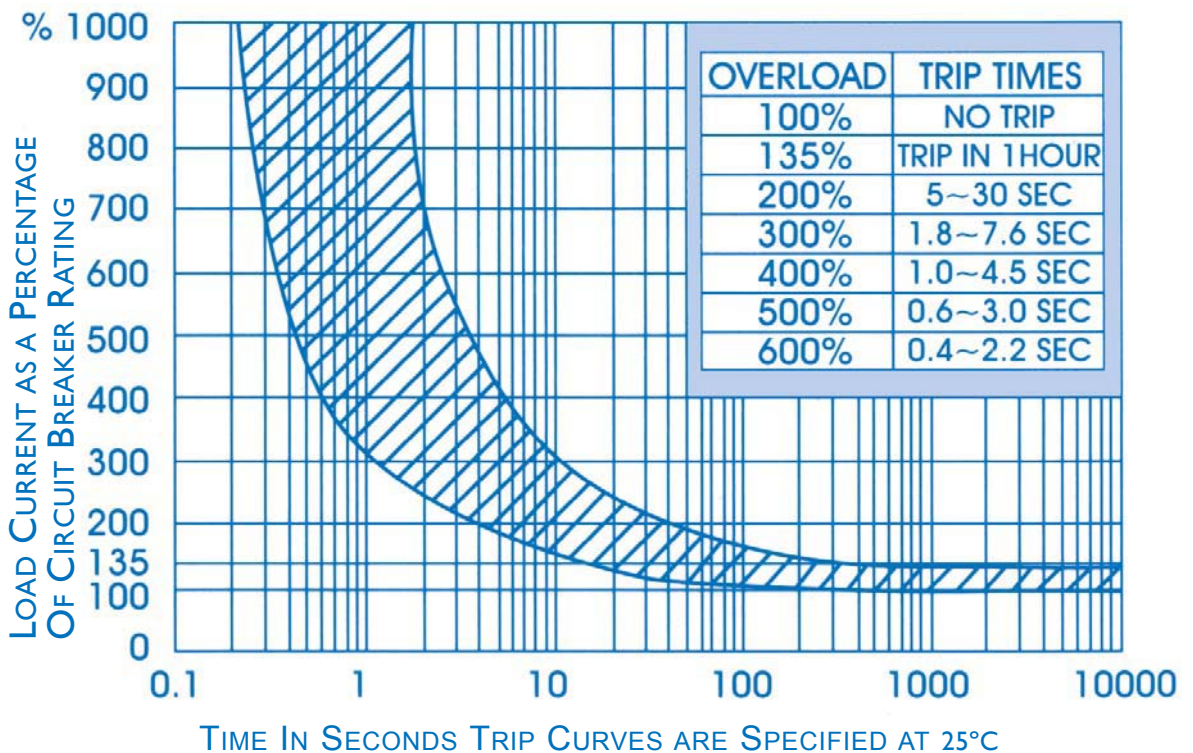
For example

Your circuit draws a 10A current and is operating at an ambient temperature of 40°C

From the table above at 40°C the multiplication factor is 1.25

10A x 1.25 = 12.5 so you should use a 12A or 13A breaker for a 10A load operating at 40°C

Trip Curves



Accessories:

Nameplate type		Mounting type			
Dustcap					
			Knurlnut	Hexnut	Integrated Knurlnut

Terminal type

.250 Tab	.250 Tab	.250 Tab	.250 Tab	#8-32	#8-32
Straight	45°bend	90°bend	90°bend backward	Screws	Lockwasher

Panel hole						
Bushing type						
	Snap In I	Snap In II	A Type	B Type	CI Type	D Type

Long Code Ordering Scheme with Extended Options: T74

T74	Current Rating	Voltage	Button	Bushing	Terminal	Nameplate	Mounting Hardware	Hardware Packaging
Techna T74 Thermal Circuit Breaker	03A, 04A, 05A, 06A, 07A, 08A, 09A, 10A, 12A, 13A, 15A, 16A, 18A, 20A, 25A, 30A, 35A, 40A, 45A	2 up to 250Vac/50Vdc	1 Black 2 White 3 Black W/Ver White Print 4 White W/Ver Red Print 5 White W/Ver Black Print 6 Black W/Hor White Print 7 White W/Hor Red Print 8 White W/Hor Black Print 9 Red	1 Snap In I (P) 2 B type (M) 3 A type (M) 4 A type (M) 5 A type (P) 6 C1 type (M) 7 C1 type (P) 8 D type (M) 9 Snap In II (P)	1 .250 tab straight 2 .250 tab bend 45° 3 .250 tab bend 90° 4 .250 tab bend 90° backward 5 #8/32 screw bent 45° 6 #8/32 screw bent 90°	0 None 2 Black plastic	0 None 4 Knurlnut (M) 6 Hex nut (M) 7 Integrated knurlnut (P) 9 Hex nut and knurlnut (M)	0 Assembled to bushing 1 Bulk

NOTE: (P) Plastic, (M) Metal