TDC180

1/4" x 1.0" Fast/medium British plug top fuse



Product features

- 1/4" x 1.0" Fast/medium British plug top fuse
- Patent protected: GB2410626
- High breaking capacity
- 240 Vac rated voltage
- Designed to BS1362, IEC60269-3, GB13539.3, GB13539.5
- Ceramic tube fuse
- Single end cap construction
  - 1 A: Nickel-plated copper
  - 2 A - 5 A: Nickel-plated brass
  - 7 A: Silver-plated copper
  - 10 A - 13 A: Nickel-plated copper

Applications

Primary circuit protection:

- British/UK BS1363 plug top commonly used for, but not limited to,
  - Hairdryers
  - Microwaves
  - Blenders
  - Crock pots
  - Kettles
  - Toasters
  - Baby bottle warmers
  - Televisions
  - Computers
  - Lamps

Agency information

- ASTA: 658,
- CCC: 2003010308039745

Ordering

- Use ordering number (see page 6 for details)

Packaging prefixes

- Blank (10 parts in a plastic bag)
- BK- (100 parts in a plastic bag)
- BK1- (1000 parts in plastic bag and box)

Electrical characteristics

I_n	100% Rated Current	160% Rated Current	190% Rated Current
TDC180-1A - 13 A	1000 hours minimum	30 minutes minimum	30 minutes maximum

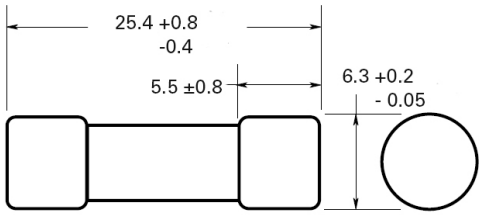
Product specifications

Part number[4]	Current rating (A)	Voltage rating (V_{AC})	Interuppting rating[1] at 50 Hz and rated voltage (A)	Typical DC cold resistance[2] (mΩ)	Typical pre-arcing[3] I^2t (A^2s)	Maximum power dissapation (W)	Print color	Agency approvals	
								ASTA	CCC
TDC180-1A	1.0	240	6000	169	0.9	1.0	Black		X
TDC180-2A	2.0	240	6000	105.6	9.1	1.0	Black	X	X
TDC180-3A	3.0	240	6000	44.4	34.3	1.0	Red	X	X
TDC180-5A	5.0	240	6000	42.3	135	1.0	Black	X	X
TDC180-7A	7.0	240	6000	12.5	114	1.0	Black	X	X
TDC180-10A	10	240	6000	7.42	345	1.0	Black	X	X
TDC180-13A	13	240	6000	4.41	870	1.0	Brown	X	X

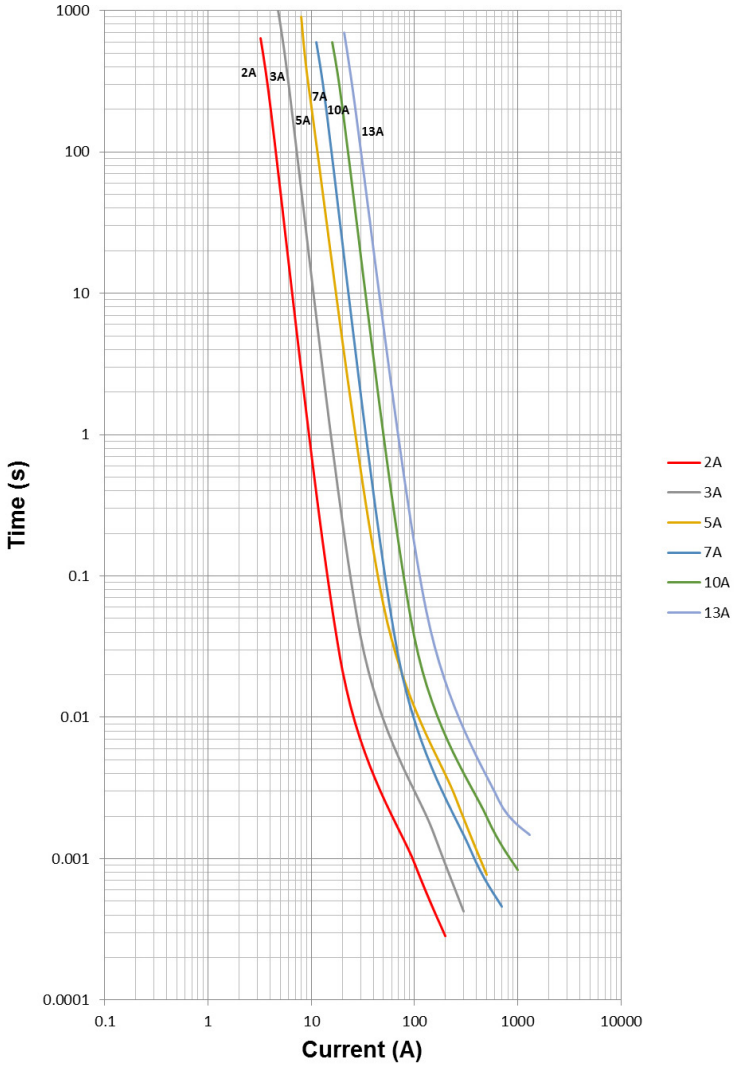
1. Breaking Capacity tested at 264 Vac, 50 Hz, Power factor (PF) 0.3-0.4
2. DC cold resistance measured at <10% of rated current at ambient temperature of +20 °C
3. Typical pre-arcing I^2t measured at 10In and rated voltage

1. Part Number Definition: TDC180-xxA
   TDC180 = Product code
   -xx = Ampere rating
   -A = Ampere

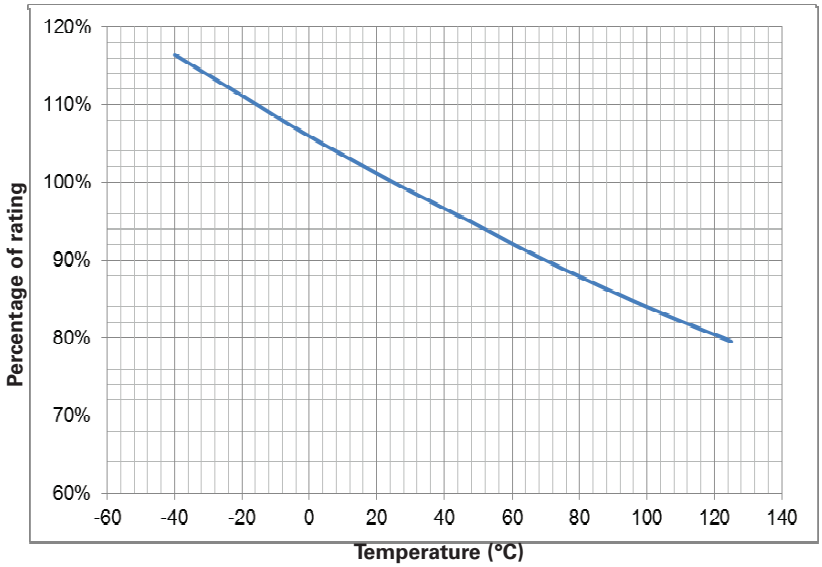
Dimensions–mm



Time vs. current curve



Temperature derating curve



Environmental data

Operating ambient temperature: -5 °C to +35 °C
Storage temperature: -5 °C to +35 °C
Temperature inside an enclsure: < 15k of amabient temperature
Altitude: < 2000 feet above sea level
Atmospheric conditions: 50% relative humidity at maximum temperature of +40 °C,
Frequency range: 45 Hz to 62 Hz

Ordering codes

The ordering code is the part number plus adding the packaging prefix.

Packaging suffixes

- Blank (10 parts in a plastic bag)
- BK- (100 parts in a plastic bag)
- BK1- (1000 parts in plastic bag and box)

	Ordering codes		
Part number	**Blank option**	**BK- option**	**BK1- option**
TDC180-1A	TDC180-1A	BK-TDC180-1A	BK1-TDC180-1A
TDC180-2A	TDC180-2A	BK-TDC180-2A	BK1-TDC180-2A
TDC180-3A	TDC180-3A	BK-TDC180-3A	BK1-TDC180-3A
TDC180-5A	TDC180-5A	BK-TDC180-5A	BK1-TDC180-5A
TDC180-7A	TDC180-7A	BK-TDC180-7A	BK1-TDC180-7A
TDC180-10A	TDC180-10A	BK-TDC180-10A	BK1-TDC180-10A
TDC180-13A	TDC180-13A	BK-TDC180-13A	BK1-TDC180-13A

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Printed in USA
Publication No. 2042 BU-MC19035
March 2019

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