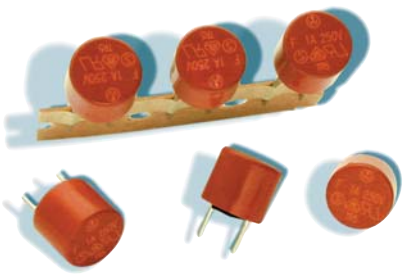
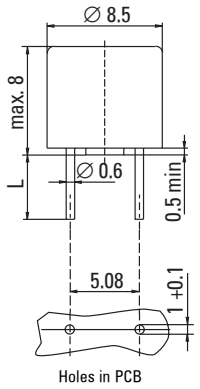
No. 370 / TR5®



Dimensions (mm)



Long Leads (L=18.8mm)
Short Leads (L=4.3mm)

IEC 60127-3/III, 250 V, F

Time-Current Characteristic
Quick Acting (F)

Standard
IEC 60127-3/III

Approvals
VDE
SEMKO
cULus Recognized
METI
CCC

Features

Reduced PCB space requirements
Direct solderable or plug-in versions
Internationally approved
Low internal resistance
Shocksafe casing
Vibration resistant
Halogen free

Specifications

Packaging
000: Tape/Ammopack (1,000 pcs.)
041: Short Leads - Bulk (1,000 pcs.)

Materials
Base/Cap: Brown Thermoplastic
Polyamide PA 6.6, UL 94 V0
Round Pins: Copper, Sn plated

Operating Temperature
-40 °C to +85 °C (consider de-rating)

Climatic Category
-40 °C/+85 °C/21 days
(IEC 60068-1,-2-1,-2-2,-2-78)

Stock Conditions
+10 °C to +60 °C
relative humidity ≤ 75 % yearly average,
without dew, maximum value for 30 days-95 %

Vibration Resistance
24 cycles at 15 min. each (EN 60068-2-6)
10 - 60 Hz at 0.75 mm amplitude
60 - 2000 Hz at 10 g acceleration

Lead Pull Strength
10 N (EN 60068-2-21)

Solderability
260 °C, ≤ 3 s (Wave)
350 °C, ≤ 3 s (Soldering iron)

Soldering Heat Resistance
260 °C, 10 s (IEC 60068-2-20)

Marking
ⓦ, 370, 250 V, F, Current Rating, Approvals

Unit Weight
0.77 g (approx.)

RoHS

Soldering Process Lead free

Limits for Pre-arcing Time					
Rated Current	1.5 x I_N	2.1 x I_N	2.75 x I_N	4 x I_N	10 x I_N
40 mA ... 6.30 A	> 1h	< 30 min	10 ms ... 3 s	3 ms ... 300 ms	<20 ms

Permissible continuous operating current is ≤ 100 % at ambient temperature of 23 °C (73.4 °F).

Rated Current	Amp Code	Voltage Rating	Breaking Capacity	Voltage Drop 1.0 x I_N ⓦ max. (mV)	Power Dissipation 1.5 x I_N ⓦ max. (mW)	Melting Integral 10 x I_N ⓦ max. (A^2s)	Approvals VDE	SEMKO	cURus	METI-T-Mark	CCC
40mA	0040	250V		900	100	0.0002			•		
50mA	0050	250V		320	80	0.00035	•	•	•		•
63mA	0063	250V		350	100	0.0005	•	•	•		•
80mA	0080	250V		370	120	0.0014	•	•	•		•
100mA	0100	250V		600	130	0.0038	•	•	•		•
125mA	0125	250V		550	172	0.0066	•	•	•		•
160mA	0160	250V		500	165	0.014	•	•	•		•
200mA	0200	250V		465	190	0.03	•	•	•		•
250mA	0250	250V		400	250	0.051	•	•	•		•
315mA	0315	250V	35 A / 250 V AC [1] 50-60 Hz cos φ = 1.0	380	250	0.1	•	•	•		•
400mA	0400	250V		120	135	0.025	•	•	•		•
500mA	0500	250V		120	155	0.042	•	•	•		•
630mA	0630	250V		115	200	0.076	•	•	•		•
800mA	0800	250V		120	310	0.12	•	•	•		•
1.00A	1100	250V		110	310	0.2	•	•	•	•	•
1.25A	1125	250V		100	360	0.31	•	•	•	•	•
1.60A	1160	250V		100	600	0.53	•	•	•	•	•
2.00A	1200	250V		85	500	0.98	•	•	•	•	•
2.50A	1250	250V		80	660	1.8	•	•	•	•	•
3.15A	1315	250V		90	950	3.1	•	•	•	•	•
4.00A	1400	250V	40 A / 250 V AC	80	920	6.7	•	•	•	•	•
5.00A	1500	250V	50 A / 250 V AC	80	1000	12.00	•	•	•		•
6.30A*	1630	250V	63 A / 250 V AC	70	1200	24.00	G	•	•		•

[1] Per UL, approved breaking capacity is 50 A at 250 V. * Conducting path min. 0.2 mm²

Note: 1.00 means the number one with two decimal places. 1,000 means the number one thousand.

G = Expert Report pending

Order Information

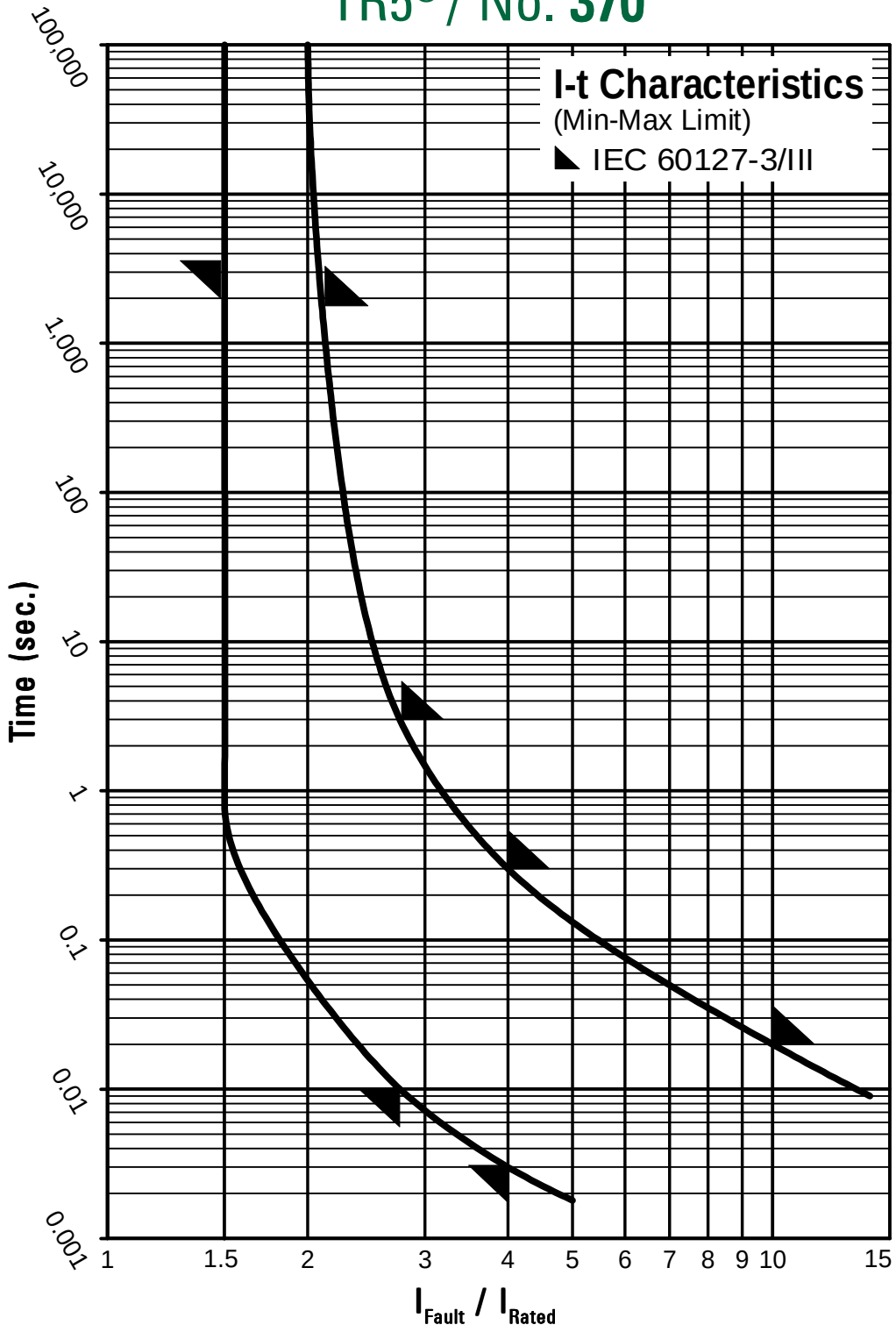
Qty.	Order-Number	Series	Amp Code	Packaging
		370		

Specifications are subject to change without notice

WICKMANN ⓦ

In our continuing strategy to deliver unparalleled circuit protection solutions, technical expertise and application leadership, we proudly introduce the WICKMANN Group and its products to the Littelfuse portfolio.

TR5® / No. 370



Contact Littelfuse for individual I-t curves

No. 372 / TR5®

IEC 60127-3/IV, 250 V, T

Lead Free

Time-Current Characteristic
Time Lag (T)

Standard
IEC 60127-3/IV

Approvals
VDE
SEMKO
cULus Recognized
METI
CCC

Features
Lead Free
Reduced PCB space requirements
Direct solderable or plug-in versions
Internationally approved
Low internal resistance
Shocksafe casing
Halogen free

Specifications

Packaging
000: Tape/Ammopack (1,000 pcs.)
041: Short Leads - Bulk (1,000 pcs.)

Materials
Base/Cap: Brown Thermoplastic
Polyamide PA 6.6, UL 94V0
Round Pins: Copper, Sn plated

Operating Temperature
-40 °C to +85 °C (consider de-rating)

Climatic Category
-40 °C/+85 °C/21 days (EN 60068-1,-2-1,-2-2,-78)

Stock Conditions
+10 °C to +60 °C
relative humidity ≤ 75 % yearly average,
without dew, maximum value for 30 days-95 %

Vibration Resistance
24 cycles at 15 min. each (EN 60068-2-6)
10 - 60 Hz at 0.75 mm amplitude
60 - 2000 Hz at 10 g acceleration

Lead Pull Strength
10 N (EN 60068-2-21)

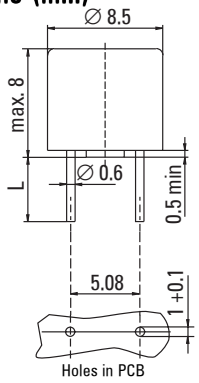
Solderability
260 °C, ≤ 3 s (Wave)
350 °C, ≤ 3 s (Soldering iron)

Soldering Heat Resistance
260 °C, 10 s (IEC 60068-2-20)

Marking
Ⓦ, 372, 250 V, T, Current Rating, Approvals

Unit Weight
0.77 g (approx.)

Dimensions (mm)



Long Leads (L=18.8mm)
Short Leads (L=4.3mm)

RoHS

Soldering Process Lead free

Limits for Pre-arcing Time

Rated Current	1.5 x I_N	2.1 x I_N	2.75 x I_N	4 x I_N	10 x I_N
40 mA ... 6.30 A	> 1 h	< 2 min	400 ms ... 10s	150 ms ... 3 s	20 ms ... 150 ms

Permissible continuous operating current is ≤ 100 % at ambient temperature of 23 °C (73.4 °F).

Rated Current	Amp Code	Voltage Rating	Breaking Capacity max. (mV)	Voltage Drop 1.0 x I_N Ⓦ max. (mW)	Power Dissipation 1.5 x I_N Ⓦ min. (A^2s)	Melting Integral 10 x I_N Ⓦ	Approvals VDE	SEMKO	cURus	METI	PSE-JET**	CCC	K-Mark**
40mA	0040	250V		900	90	0.009			•				
50mA	0050	250V		500	70	0.01	•	•	•			•	•
63mA	0063	250V		400	80	0.02	•	•	•			•	•
80mA	0080	250V		370	100	0.023	•	•	•			•	•
100mA	0100	250V		300	110	0.047	•	•	•			•	•
125mA	0125	250V		260	120	0.066	•	•	•			•	•
160mA	0160	250V		200	130	0.14	•	•	•			•	•
200mA	0200	250V		170	140	0.20	•	•	•			•	•
250mA	0250	250V	35A / 250 V AC [1]	150	150	0.28	•	•	•			•	•
315mA	0315	250V	50-60Hz	140	160	0.36	•	•	•			•	•
400mA	0400	250V	cos φ = 1.0	130	170	0.9	•	•	•			•	•
500mA	0500	250V		125	180	1.3	•	•	•			•	•
630mA	0630	250V		120	200	2.5	•	•	•			•	•
800mA	0800	250V		110	220	3.8	•	•	•			•	•
1.00A	1100	250V		110	360	5.5	•	•	•	•	•	•	•
1.25A	1125	250V		95	450	9	•	•	•	•	•	•	•
1.60A	1160	250V		95	450	14	•	•	•	•	•	•	•
2.00A	1200	250V		85	600	23	•	•	•	•	•	•	•
2.50A	1250	250V		80	700	35	•	•	•	•	•	•	•
3.15A	1315	250V		80	1100	60	•	•	•	•	•	•	•
4.00A	1400	250V	40A / 250 V AC	75	1200	95	•	•	•	•	•	•	•
5.00A	1500	250V	50A / 250 V AC	80	1300	94	G	•	•			•	•
6.30A*	1630	250V		58	1250	105	G	•	•			•	•

[1] Per UL, approved breaking capacity is 50 A at 250 V. * Conducting path min. 0.2 mm² **PSE-JET and K-Mark for China production G Expert Report

Note: 1.00 means the number one with two decimal places. 1,000 means the number one thousand.

Order Information

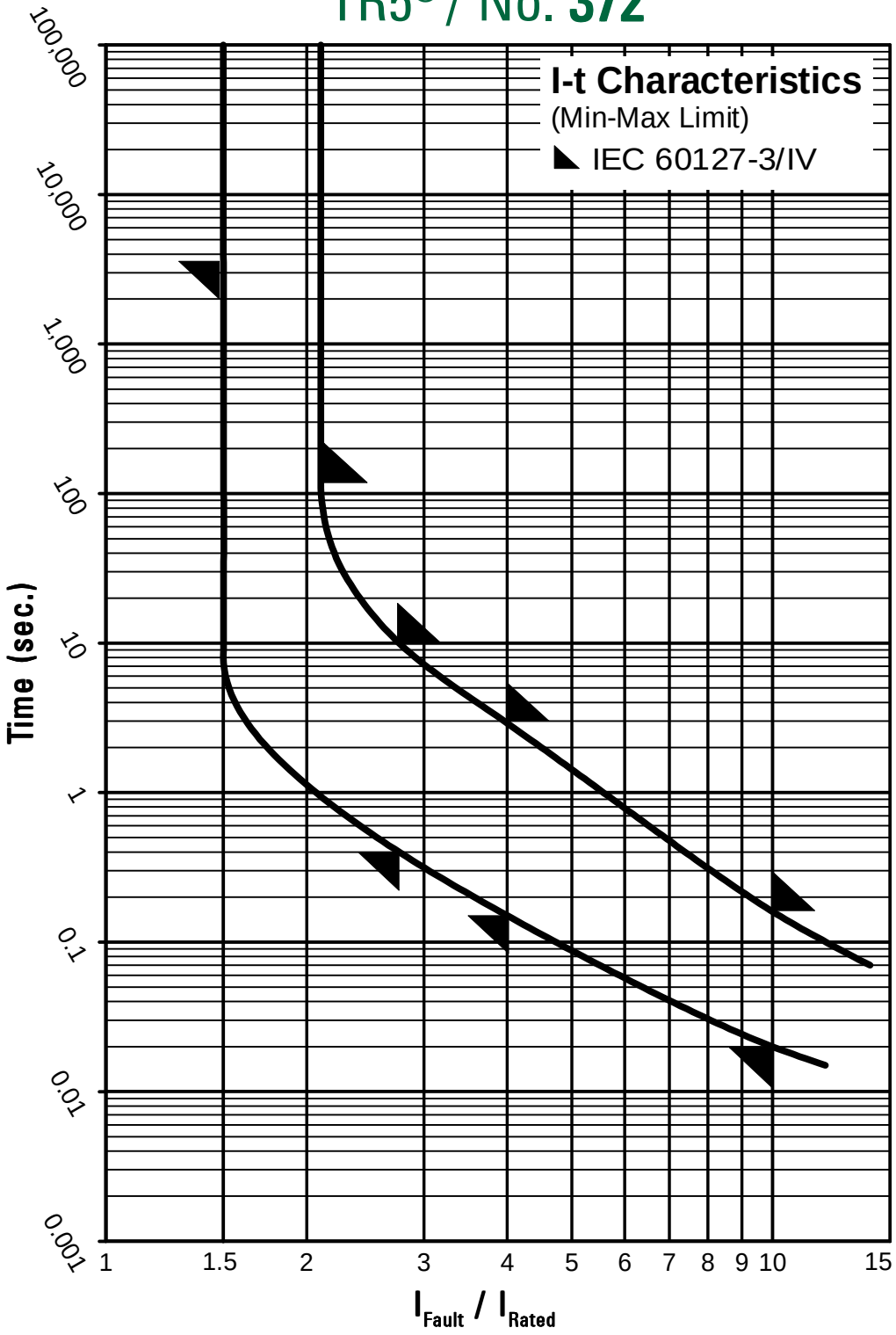
Qty.	Order-Number	Series	Amp Code	Packaging
		372		

Specifications are subject to change without notice

WICKMANN

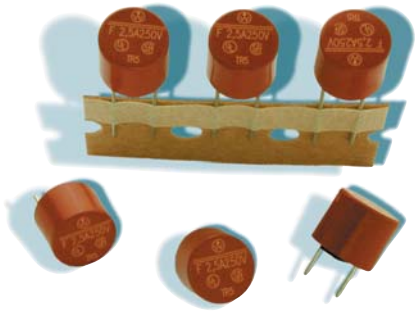
In our continuing strategy to deliver unparalleled circuit protection solutions, technical expertise and application leadership, we proudly introduce the WICKMANN Group and its products to the Littelfuse portfolio.

TR5® / No. 372

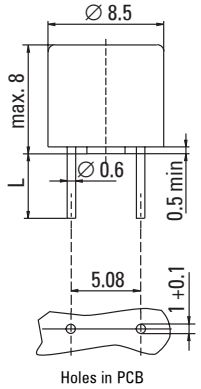


Contact Littelfuse for individual I-t curves

No. 373 / TR5®



Dimensions (mm)



Holes in PCB

Long Leads (L=18.8 mm)
Short Leads (L=4.3 mm)

Limits for Pre-arcing Time

Rated Current	2.0 x I_N (W)
50 mA ... 6.30 A	< 5 s
8.00 A... 10.00A	< 60 s

UL 248-14, 250 V, F
lead free

Time-Current Characteristic
Quick Acting (F)

Standard
UL 248-14
CSA C22.2 No. 248.14

Approvals
UL Listed
CSA Certified

Features

Reduced PCB space requirements
Direct solderable or plug-in versions
Internationally approved
Low internal resistance
Shocksafe casing
Vibration resistant
Halogen free

Specifications

Packaging
000: Tape/Ammopack (1,000 pcs.)
041: Short Leads - Bulk (1,000 pcs.)

Materials
Base/Cap: Brown Thermoplastic
Polyamide PA 6.6, UL 94V0
Round Pins: Copper, Sn plated

Operating Temperature
-40 °C to +85 °C (consider de-rating)

Climatic Category
-40 °C/+85 °C/21 days (EN 60068-1,-2-1,-2-2,-2-78)

Stock Conditions
+10 °C to +60 °C
relative humidity ≤ 75 % yearly average,
without dew, maximum value for 30 days-95 %

Vibration Resistance
24 cycles at 15 min. each (EN 60068-2-6)
10 - 60 Hz at 0.75 mm amplitude
60 - 2000 Hz at 10 g acceleration

Lead Pull Strength
10 N (EN 60068-2-21)

Solderability
260 °C, ≤ 3 s (Wave)
350 °C, ≤ 3 s (Soldering iron)

Soldering Heat Resistance
260 °C, 10 s (IEC 60068-2-20)

Marking
(W), 373, 250 V, F, Current Rating, Approvals

Unit Weight
0.77 g (approx.)

Permissible continuous operating current is ≤ 70 % at ambient temperature of 23 °C (73.4 °F).

Rated Current	Amp Code	Voltage Rating	Breaking Capacity	Voltage Drop 1.0 x I_N (W) max. (mV)	Power Dissipation 1.0 x I_N (W) max. (mW)	Melting Integral 10 x I_N (W) max. (A^2s)	Approvals UL	Approvals CSA	Approvals cULus
50mA	0050	250V		1400	70	0.0001	•	•	
63mA	0063	250V		1300	85	0.00023	•	•	
80mA	0080	250V		1200	100	0.00037	•	•	
100mA	0100	250V		1100	110	0.0013	•	•	
125mA	0125	250V		1000	125	0.0019	•	•	
160mA	0160	250V		950	155	0.004	•	•	
200mA	0200	250V		850	170	0.0065	•	•	
250mA	0250	250V		750	190	0.014	•	•	
315mA	0315	250V		650	205	0.032	•	•	
400mA	0400	250V	50A/250V AC	230	95	0.016	•	•	
500mA	0500	250V	50-60 Hz	220	110	0.025	•	•	
630mA	0630	250V	cos φ = 1.0	210	135	0.045	•	•	
800mA	0800	250V		200	160	0.069	•	•	
1.00A	1100	250V		190	190	0.125	•	•	
1.25A	1125	250V		180	225	0.2	•	•	
1.60A	1160	250V		170	275	0.38	•	•	
2.00A	1200	250V		160	320	0.63	•	•	
2.50A	1250	250V		150	375	1.2	•	•	
3.15A	1315	250V		140	445	1.9	•	•	
4.00A	1400	250V		130	520	3.5	•	•	
5.00A	1500	250V		120	630	6.2	•	•	
6.30A	1630	250V		115	1000	9.1	•	•	
8.00A [1]	1800	250V		120	1600	30			•
10.00A [1]	2100	250V		110	2000	55			•

[1] Conducting path cross-section minimum ≥ 0.2mm²

Note: 1.00 means the number one with two decimal places. 1,000 means the number one thousand.

Order Information

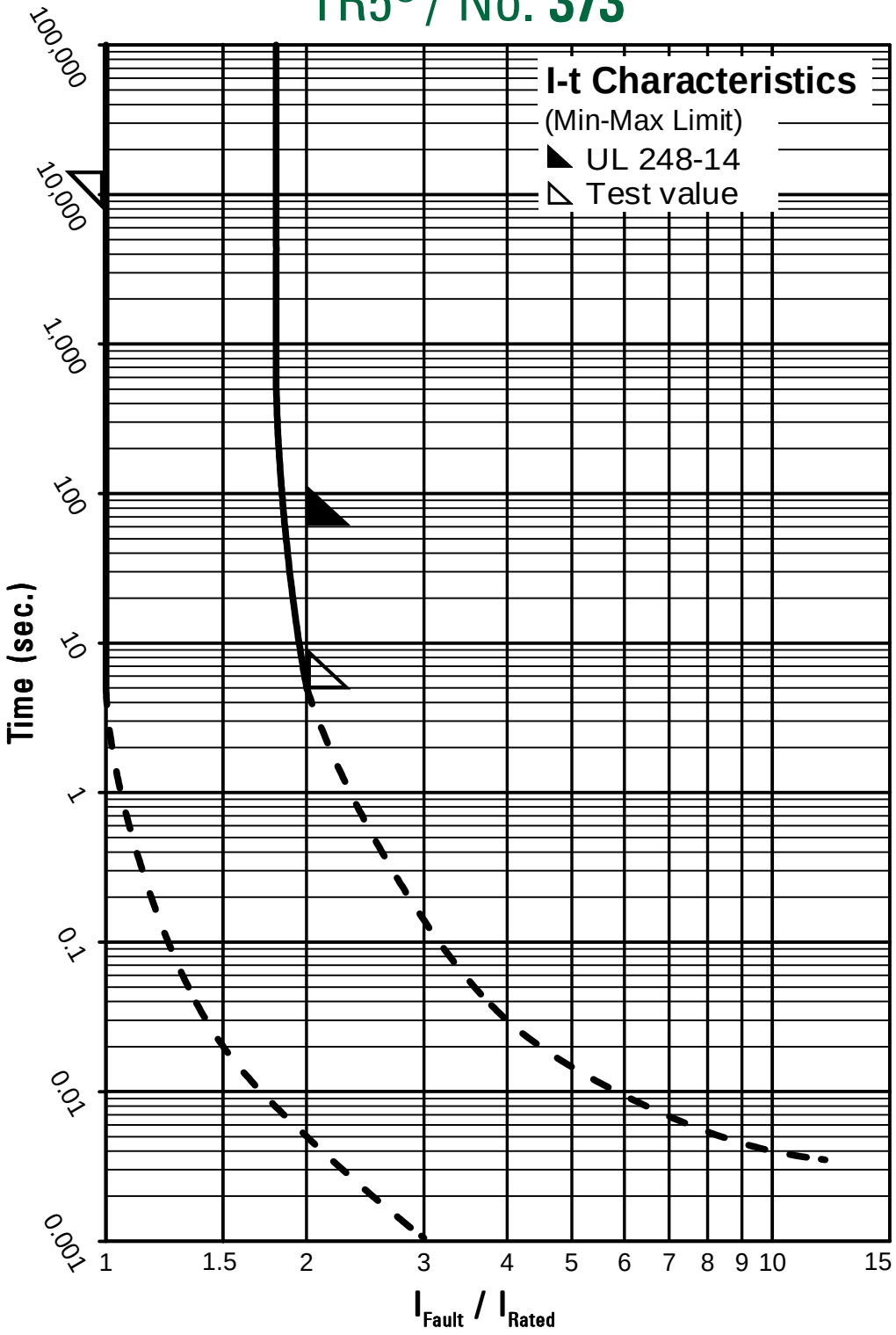
Qty.	Order-Number	Series	Amp Code	Packaging
		373		

Specifications are subject to change without notice

WICKMANN (W)

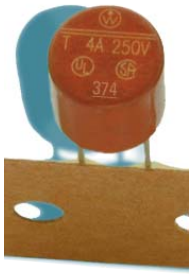
In our continuing strategy to deliver unparalleled circuit protection solutions, technical expertise and application leadership, we proudly introduce the WICKMANN Group and its products to the Littelfuse portfolio.

TR5® / No. 373

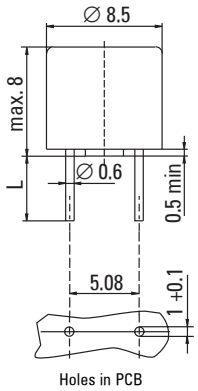


Contact Littelfuse for individual I-t curves

No. 374 / TR5®



Dimensions (mm)



Holes in PCB

Long Leads (L=18.8mm)
Short Leads (L=4.3mm)

UL 248-14, 250 V, T lead free

Time-Current Characteristic
Time Lag (T)

Standard
UL 248-14
CSA C22.2 No. 248.14

Approvals
UL Listed
CSA Certified

Features
Lead free
Reduced PCB space requirements
Direct solderable or plug-in versions
Internationally approved
Low internal resistance
Shocksafe casing
Vibration resistant
Hologen free

Specifications

Packaging
000: Tape/Ammopack (1,000 pcs.)
041: Short Leads - Bulk (1,000 pcs.)

Materials
Base/Cap: Brown Thermoplastic Polyamide PA 6.6, UL 94 V0
Round Pins: Copper, Sn plated

Operating Temperature
-40 °C to +85 °C (consider de-rating)

Climatic Category
-40 °C/+85 °C/21 days
(EN 60068-1,-2-1,-2-2,-78)

Stock Conditions:
+10 °C to +60 °C
relative humidity ≤ 75 % yearly average, without dew, maximum value for 30 days-95 %

Vibration Resistance
24 cycles at 15 min. each (EN 60068-2-6)
10 - 60 Hz at 0.75mm amplitude
60 - 2000 Hz at 10 g acceleration

Lead Pull Strength
10 N (EN 60068-2-21)

Solderability
260 °C, ≤ 3 s (Wave)
350 °C, ≤ 3 s (Solder iron)

Soldering Heat Resistance
260 °C, 10 s (IEC 60068-2-20)

Marking
Ⓦ, 374, 250 V, T, Current Rating, Approvals

Unit Weight
0.77 g (approx.)

Limits for Pre-arcing Time	
Rated Current	2.0 x I_N
50 mA ... 10.00 A	< 60 s

Permissible continuous operating current is ≤ 70 % at ambient temperature of 23 °C (73.4 °F).

Rated Current	Amp Code	Voltage Rating	Breaking Capacity	Voltage Drop 1.0 x I_N Ⓦ max. (mV)	Power Dissipation 1.0 x I_N Ⓦ max. (mW)	Melting Integral 10 x I_N Ⓦ min. (A^2s)	Approvals UL	Approvals CSA	Approvals cULus
50mA	0050	250V	50 A / 250 V AC 50-60 Hz cos φ = 1.0	900	45	0.0056	•	•	
63mA	0063	250V		800	50	0.009	•	•	
80mA	0080	250V		700	55	0.014	•	•	
100mA	0100	250V		600	60	0.025	•	•	
125mA	0125	250V		550	70	0.044	•	•	
160mA	0160	250V		480	80	0.058	•	•	
200mA	0200	250V		390	80	0.1	•	•	
250mA	0250	250V		350	90	0.17	•	•	
315mA	0315	250V		300	95	0.26	•	•	
400mA	0400	250V		250	100	0.32	•	•	
500mA	0500	250V		220	110	0.6	•	•	
630mA	0630	250V		210	135	0.75	•	•	
800mA	0800	250V		160	130	0.98	•	•	
1.00A	1100	250V		155	155	2.1	•	•	
1.25A	1125	250V		145	185	3.2	•	•	
1.60A	1160	250V		130	210	4.5	•	•	
2.00A	1200	250V		125	250	7.5	•	•	
2.50A	1250	250V		120	300	14	•	•	
3.15A	1315	250V		110	350	22	•	•	
4.00A	1400	250V		100	400	36	•	•	
5.00A	1500	250V		95	475	59	•	•	
6.30A	1630	250V		90	570	110	•	•	
8.00A [1]	1800	250V		80	1000	150			•
10.00A [1]	2100	250V		90	1250	280			•

[1] Conducting path cross-section minimum ≥ 0.2mm²

Note: 1.00 means the number one with two decimal places. 1,000 means the number one thousand.

Order Information

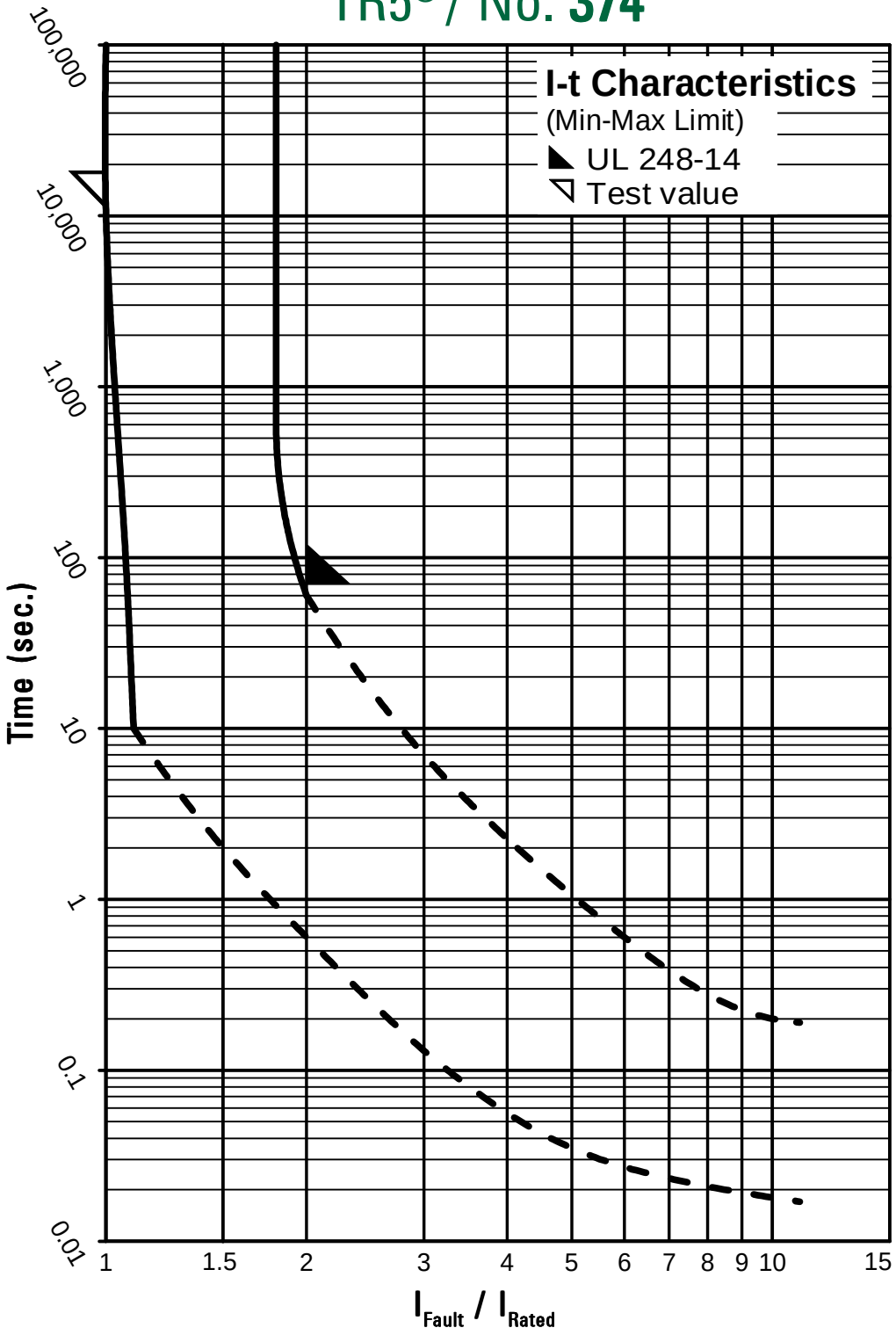
Qty.	Order-Number	Series	Amp Code	Packaging
		374		

Specifications are subject to change without notice

WICKMANN Ⓦ

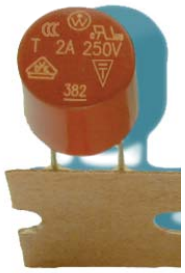
In our continuing strategy to deliver unparalleled circuit protection solutions, technical expertise and application leadership, we proudly introduce the WICKMANN Group and its products to the Littelfuse portfolio.

TR5® / No. 374

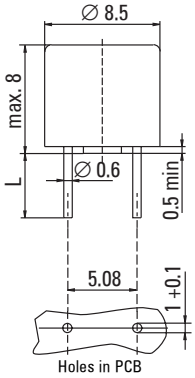


Contact Littelfuse for individual I-t curves

No. 382 / TR5®



Dimensions (mm)



Long Leads (L=18.8mm)
Short Leads (L=4.3mm)

IEC 60127-3/IV, 250 V, T lead free

Time-Current Characteristic
Time Lag (T)

Standard
IEC 60127-3/IV

Approvals
VDE
SEMKO
cULus Recognized
METI-T-Mark
METI-PSE
CCC

Features

Lead Free
320 V cULus recognized
Electronic Ballast for Lamps
100A breaking capacity
Reduced PCB space requirements
Direct solderable or plug-in versions
Internationally approved
Low internal resistance
Shocksafe casing
Vibration resistant
Halogen free

Specifications

Packaging
000: Tape/Ammopack (1,000 pcs.)
041: Short Leads - Bulk (1,000 pcs.)

Materials
Base/Cap: Brown Thermoplastic Polyamide PA 6.6, UL 94 V0
Round Pins: Copper, Sn plated

Operating Temperature
-40 °C to +85 °C (consider de-rating)

Climatic Category
-40 °C/+85 °C/21 days
(IEC 60068-1,-2-1,-2-2,-2-78)

Stock Conditions
+10 °C to +60 °C
relative humidity ≤ 75 % yearly average,
without dew, maximum value for 30 days-95 %

Vibration Resistance
24 cycles at 15 min. each (EN 60068-2-6)
10 - 60 Hz at 0.75 mm amplitude
60 - 2000 Hz at 10 g acceleration

Lead Pull Strength
10N (IEC 60068-2-21)

Solderability
260 °C, ≤ 3 s (Wave)
350 °C, ≤ 3 s (Soldering Iron)

Soldering Heat Resistance
260 °C, 10 s (IEC 60068-2-20)

Marking
Ⓦ, 382, 250 V, T, Current Rating, Approvals

Unit Weight
0.82 g (approx.)

RoHS

Soldering Process Lead free

Limits for Pre-arcing Time

Rated Current	1.5 x I_N	2.1 x I_N	2.75 x I_N	4 x I_N	10 x I_N
1.00 A ... 6.30 A	> 1 h	< 2 min	400 ms ... 10 s	150 ms ... 3 s	20 ms ... 150 ms
8.00 A ... 10.00 A	> 1 h	< 300 s	1 s ... 20 s	150 ms ... 3 s	20 ms ... 150 ms

Permissible continuous operating current is ≤ 100 % at ambient temperature of 23 °C (73.4 °F).

Rated Current	Amp Code	Voltage Rating	Breaking Capacity	Voltage Drop 1.0 x I_N Ⓦ max. (mV)	Power Dissipation 1.5 x I_N Ⓦ max. (mW)	Melting Integral 10 x I_N Ⓦ min. (A^2s)	Approvals VDE	SEMKO	cURus	METI-T-Mark	METI-PSE	CCC
1.00 A	1100	250 V	100A / 250 V AC [1] 50-60 Hz cosφ=1.0	100	400	3.0	•	•	•	•		•
1.25 A	1125	250 V		95	465	4.5	•	•	•	•		•
1.60 A	1160	250 V		90	490	9.0	•	•	•	•		•
2.00 A	1200	250 V		85	670	12	•	•	•	•		•
2.50 A	1250	250 V		80	750	22	•	•	•	•		•
3.15 A	1315	250 V		75	900	32	•	•	•	•		•
4.00 A	1400	250 V		70	1200	58	•	•	•	•		•
5.00 A	1500	250 V		65	1250	90	G	•	•		•	•
6.30 A*	1630	250 V		65	1400	105	G	•	•			•
8.00 A**	1800	250 V		63	1600	180			•			
10.00A**	2100	250 V		57	1600	260			•			

[1] Breaking capacity at UR: 50A at 320V

G Expert Report

* Conducting path min. 0.2 mm²
**Conducting path min. 0.35 mm²

Note: 1.00 means the number one with two decimal places. 1,000 means the number one thousand.

Order Information

Qty.	Order-Number	Series	Amp Code	Packaging
		382		

Specifications are subject to change without notice

WICKMANN

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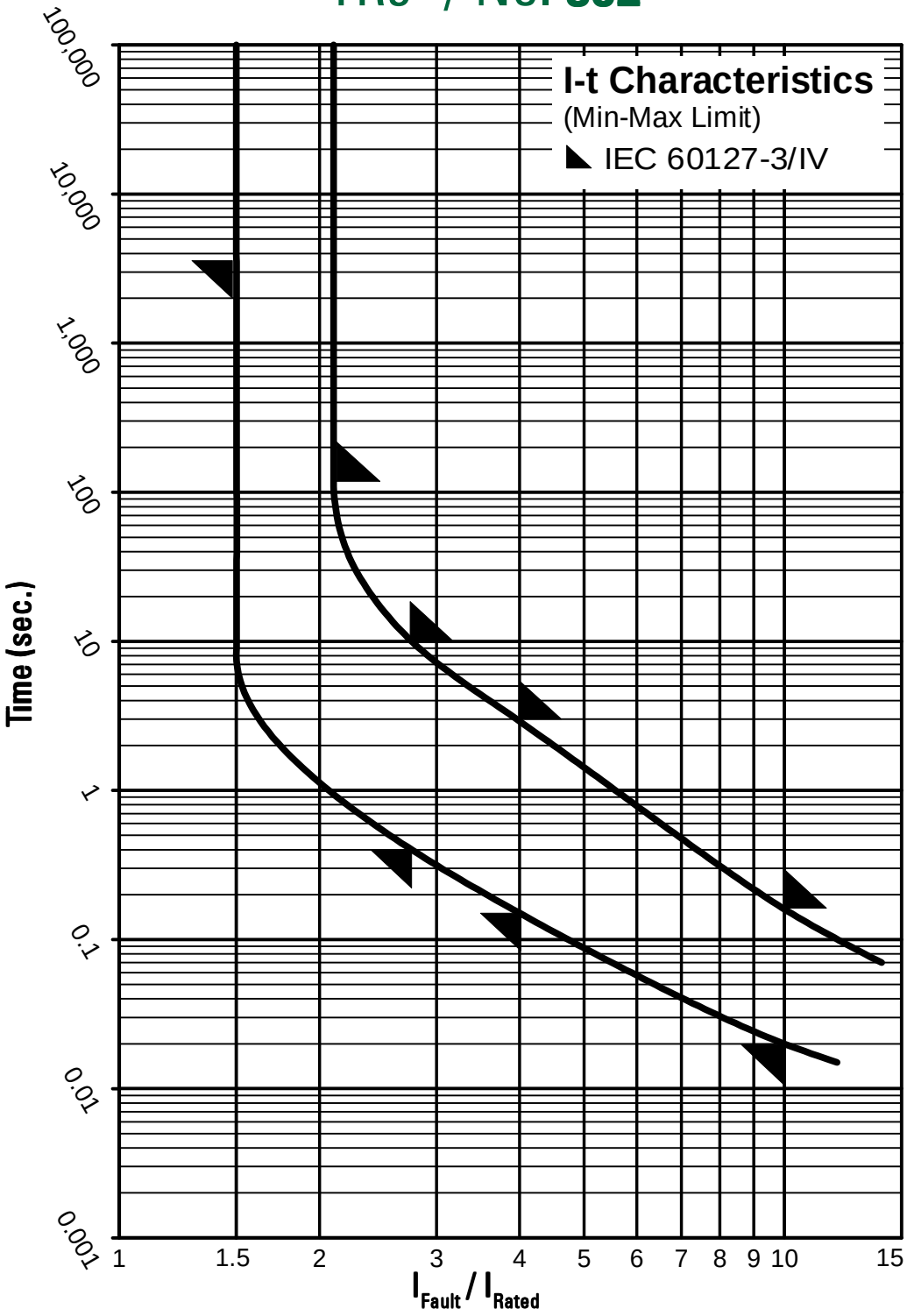
TR5® / No. 382



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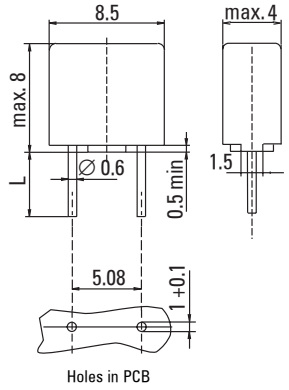
No. 392 / TE5®

Dimensions (mm)



Long Leads (L=18.8 mm)
Short Leads (L=4.3 mm)

IEC 60127-3/IV, 250 V, T

Lead Free

Time-Current Characteristic
Time Lag (T)

Standard
According to IEC 60127-3/IV

Approvals
VDE Expert Report
SEMKO
cULus Recognized
METI-PSE
CCC

Features
Lead Free
Reduced PCB space requirements
Direct solderable or plug-in versions
Internationally approved
Low internal resistance
Shocksafe casing
Vibration resistant
Halogen free

Specifications

Packaging
000: Tape/Ammopack (1,400 pcs.)
044: Short Leads - Bulk (1,400 pcs.)

Materials
Base/Cap: Brown Thermoplastic Polyamide PA 6.6, UL 94 V0
Round Pins: Copper, Sn plated

Operating Temperature
-40 °C to +85 °C (consider de-rating)

Climatic Category
-40 °C/+85 °C/21 days
(EN 60068-1,-2-1,-2-2,-78)

Stock Conditions
+10 °C to +60 °C
relative humidity ≤ 75 % yearly average,
without dew, maximum value for 30 days - 95 %

Vibration Resistance
24 cycles at 15 min. each (EN 60068-2-6)
10 - 60 Hz at 0.75 mm amplitude
60 - 2000 Hz at 10 g acceleration

Lead Pull Strength
10 N (IEC 60068-2-21)

Solderability
260 °C, ≤ 3 s (Wave)
350 °C, ≤ 1 s (Soldering iron)

Soldering Heat Resistance
260 °C, 10 s (IEC 60068-2-20)
350 °C, ≤ 3 s (Soldering iron)

Marking
Ⓦ, T, Current Rating, Approvals

Unit Weight
0.60 g (approx.)

Limits for Pre-arcing Time					
Rated Current	1.5 x I_N	2.1 x I_N	2.75 x I_N	4 x I_N	10 x I_N
800 mA ... 6.30 A	> 1 h	< 2 min	400 ms ... 10 s	150 ms ... 3 s	20 ms ... 150 ms

Permissible continuous operating current is ≤ 100 % at ambient temperature of 23 °C (73.4 °F).

Rated Current	Amp Code	Voltage Rating	Breaking Capacity 50-60Hz/cos φ=1.0	Voltage Drop 1.0 x I_N Ⓦ max. (mV)	Power Dissipation 1.5 x I_N Ⓦ max. (mW)	Melting Integral 10 x I_N Ⓦ min. (A^2s)	Approvals VDE	SEMKO	cURus	METI-PSE	CCC	K-Mark
800 mA	0800	250V	25A/250 V AC	110	280	3.80	G	•	•		•	p
1.00 A	1100	250V	25A/250 V AC	115	400	5.80	G	•	•	•	•	p
1.25 A	1125	250V	25A/250 V AC	100	500	9.75	G	•	•	•	•	p
1.60 A	1160	250V	25A/250 V AC	95	600	13.50	G	•	•	•	•	p
2.00 A	1200	250V	25A/250 V AC	90	700	21.00	G	•	•	•	•	p
2.50 A	1250	250V	25A/250 V AC	85	750	32.00	G	•	•	•	•	p
3.15 A	1315	250V	32A/250 V AC	80	1100	55.00	G	•	•	•	•	p
4.00 A	1400	250V	40A/250 V AC	75	1200	100.00	G	•	•	•	•	p
5.00 A	1500	250V	50A/250 V AC	70	1000	90.00	p	p	•		p	p
6.30 A	1630	250V	63A/250 V AC	65	1200	126.00	G	p	•		p	p

Note: 1.00 means the number one with two decimal places. 1,000 means the number one thousand.

G = Expert Report
p = pending

Order Information

Qty.	Order-Number	Series	Amp Code	Packaging
		392		

Specifications are subject to change without notice

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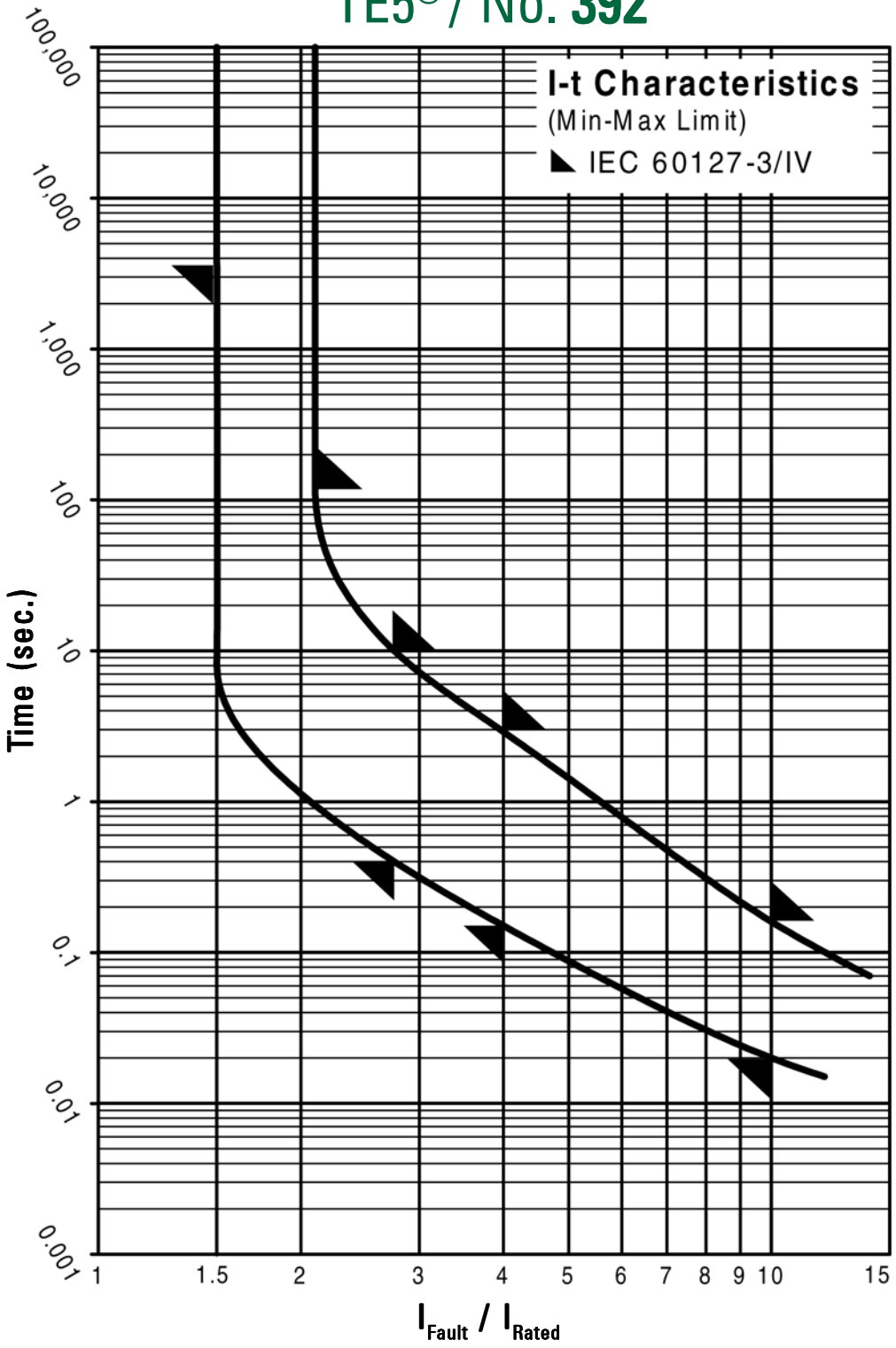

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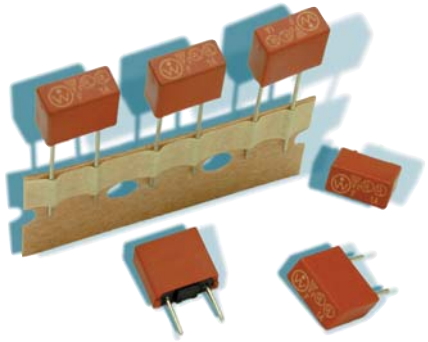
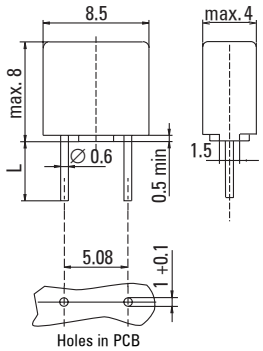
No. 395 / TE5®



Dimensions (mm)



Long Leads (L=18.8 mm)
Short Leads (L=4.3 mm)

UL 248-14, 125 V, F

Time-Current Characteristic
Quick Acting (F)

Standard
UL 248-14
CSA C22.2 No. 248.14

Approvals
UL Listed
cUL Listed
METI-PSE

Features

Reduced PCB space requirements
Direct solderable or plug-in versions
Internationally approved
Low internal resistance
Shocksafe casing
Vibration resistant
Halogen free

Specifications

Packaging
000: Tape/Ammopack (1,400 pcs.)
044: Short Leads - Bulk (1,400 pcs.)

Materials
Base/Cap: Brown Thermoplastic Polyamide PA 6.6, UL 94V0
Round Pins: Copper, Sn plated

Operating Temperature
-40 °C to +85 °C (consider de-rating)

Climatic Category
-40 °C/+85 °C/21 days
(EN 60068-1,-2-1,-2-2,-2-78)

Stock Conditions
+10 °C to +60 °C
relative humidity ≤ 75 % yearly average,
without dew, maximum value for 30 days - 95 %

Vibration Resistance
24 cycles at 15 min. each (EN 60068-2-6)
10 - 60 Hz at 0.75 mm amplitude
60 - 2000 Hz at 10 g acceleration

Lead Pull Strength
10 N (IEC 60068-2-21)

Solderability
260 °C, ≤ 3 s (Wave)
350 °C, ≤ 3 s (Soldering iron)

Soldering Heat Resistance
260 °C, 10 s (IEC 60068-2-20)

Marking
Ⓦ, F, Current Rating, Approvals

Unit Weight
0.60 g (approx.)

Limits for Pre-arcing Time

Rated Current	2.0 x I_N	2.0 x I_N Ⓦ
50 mA ... 6.30 A	< 60 s	< 5 s

RoHS · Pb · Soldering Process Lead free · UL · c UL · PS E JET

Permissible continuous operating current is ≤ 70 % at ambient temperature of 23 °C (73.4 °F).

Rated Current	Amp Code	Voltage Rating	Breaking Capacity	Voltage Drop 1.0 x I_N Ⓦ max. (mV)	Power Dissipation 1.0 x I_N Ⓦ max. (mW)	Melting Integral 10 x I_N Ⓦ max. (A^2s)	Approvals UL	cUL	METI-PSE
50mA	0050	125V		1600	85	0.0001	•	•	
63mA	0063	125V		1300	85	0.00013	•	•	
80mA	0080	125V		1200	100	0.0002	•	•	
100mA	0100	125V		1100	110	0.0013	•	•	
125mA	0125	125V		1350	160	0.0019	•	•	
160mA	0160	125V		1000	150	0.0037	•	•	
200mA	0200	125V		950	210	0.0075	•	•	
250mA	0250	125V		900	225	0.013	•	•	
315mA	0315	125V		800	255	0.026	•	•	
400mA	0400	125V	100A/125VAC 50-60Hz cos φ=1.0	230	95	0.015	•	•	
500mA	0500	125V		220	110	0.025	•	•	
630mA	0630	125V		210	135	0.045	•	•	
800mA	0800	125V		200	160	0.068	•	•	
1.00A	1100	125V		190	190	0.13	•	•	•
1.25A	1125	125V		180	225	0.2	•	•	•
1.60A	1160	125V		170	275	0.39	•	•	•
2.00A	1200	125V		160	450	0.53	•	•	•
2.50A	1250	125V		150	375	1.1	•	•	•
3.15A	1315	125V		140	445	1.9	•	•	•
4.00A	1400	125V		130	520	3.2	•	•	•
5.00A	1500	125V		120	600	6.1	•	•	•
6.30A	1630	125V		115	850	9.7	•	•	

Note: 1.00 means the number one with two decimal places. 1,000 means the number one thousand.

Order Information

Qty.	Order-Number	Series	Amp Code	Packaging
		395		

Specifications are subject to change without notice

WICKMANN Ⓦ

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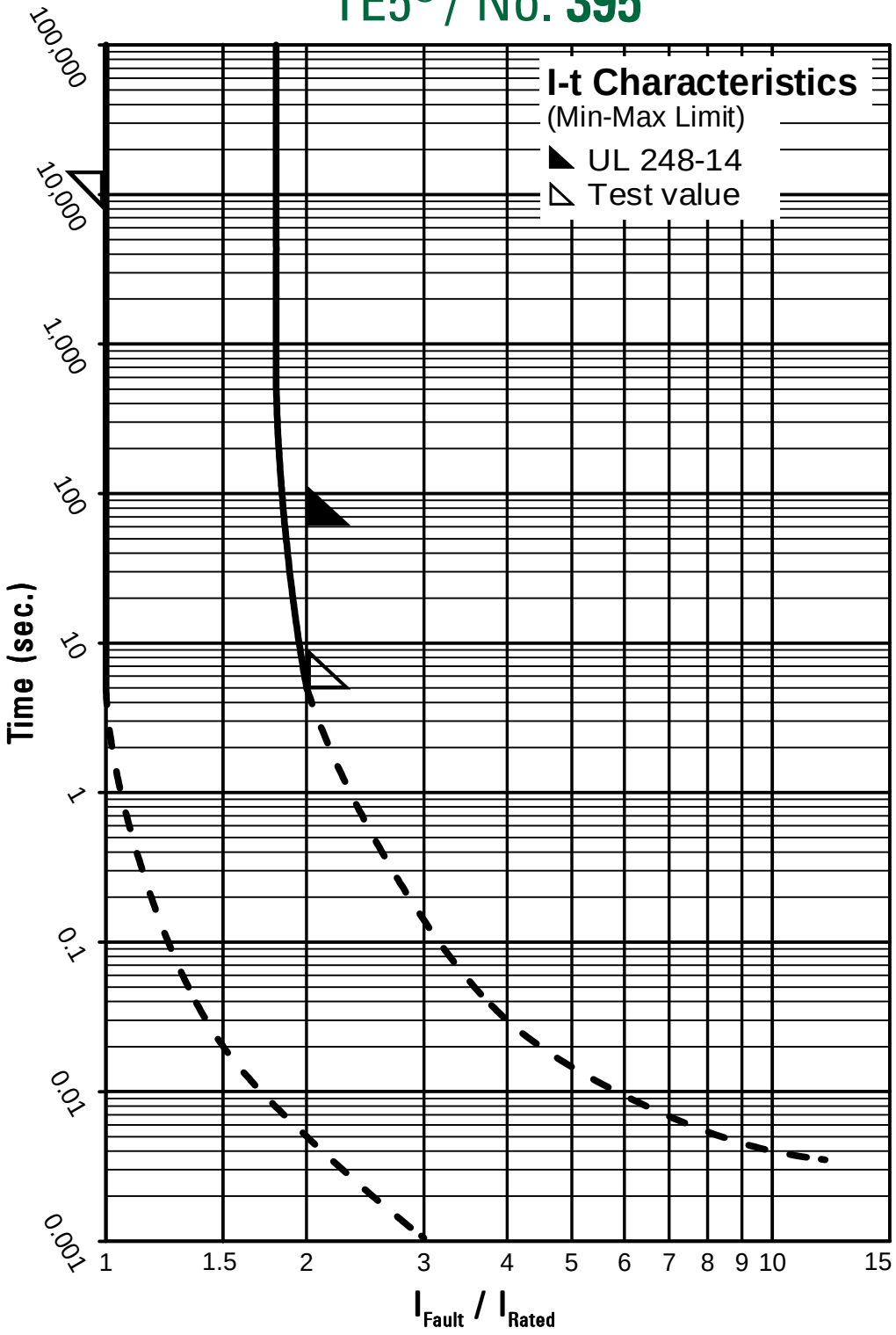
TE5® / No. 395



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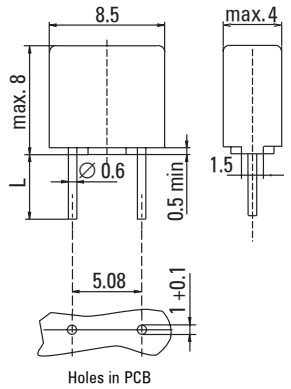
No. 396 / TE5®

Dimensions (mm)



Long Leads (L=18.8 mm)
Short Leads (L=4.3 mm)

UL 248-14, 125 V, T Leadfree

Time-Current Characteristic
Time Lag (T)

Standard
UL 248-14
CSA C22.2 No. 248.14

Approvals
UL Listed
cUL Listed
METI-PSE

Features

Leadfree
Reduced PCB space requirements
Direct solderable or plug-in versions
Internationally approved
Low internal resistance
Shocksafe casing
Vibration resistant
halogen free

Specifications

Packaging
000: Tape/Ammopack (1,400 pcs.)
044: Short Leads - Bulk (1,400 pcs.)

Materials
Base/Cap: Brown Thermoplastic Polyamide PA 6.6, UL 94V0
Round Pins: Copper, Sn plated

Operating Temperature
-40 °C to +85 °C (consider de-rating)

Climatic Category
-40 °C/+85 °C/21 days
(EN 60068-1,-2-1,-2-2,-78)

Stock Conditions
+10 °C to +60 °C
relative humidity ≤ 75 % yearly average,
without dew, maximum value for 30 days - 95 %

Vibration Resistance
24 cycles at 15 min. each (IEC 60068-2-6)
10 - 60 Hz at 0.75 mm amplitude
60 - 2000 Hz at 10 g acceleration

Lead Pull Strength
10 N (IEC 60068-2-21)

Solderability
260 °C, ≤ 3 s (Wave)
350 °C, ≤ 3 s (Soldering Iron)

Soldering Heat Resistance
260 °C, 10 s (IEC 60068-2-20)

Marking
Ⓦ, T, Current Rating, Approvals

Unit Weight
0.60 g (approx.)

Limits for Pre-arcing Time	
Rated Current	2.0 x I_N
50 mA ... 6.30 A	< 60 s

Permissible continuous operating current is ≤ 70 % at ambient temperature of 23 °C (73.4 °F).

Rated Current	Amp Code	Voltage Rating	Breaking Capacity	Voltage Drop 1.0 x I_N Ⓦ max. (mV)	Power Dissipation 1.0 x I_N Ⓦ max. (mW)	Melting Integral 10 x I_N Ⓦ min. (A^2s)	Approvals UL	cUL	METI-PSE
50mA	0050	125V		900	45	0.0056	•	•	
63mA	0063	125V		800	50	0.009	•	•	
80mA	0080	125V		700	55	0.014	•	•	
100mA	0100	125V		600	60	0.025	•	•	
125mA	0125	125V		550	70	0.044	•	•	
160mA	0160	125V		480	80	0.058	•	•	
200mA	0200	125V		390	80	0.1	•	•	
250mA	0250	125V		350	90	0.17	•	•	
315mA	0315	125V		300	95	0.26	•	•	
400mA	0400	125V	100A / 125 V AC	250	100	0.32	•	•	
500mA	0500	125V	50-60 Hz	220	110	0.58	•	•	
630mA	0630	125V	cos φ = 1.0	210	135	0.75	•	•	
800mA	0800	125V		160	130	0.98	•	•	
1.00A	1100	125V		155	155	2.2	•	•	•
1.25A	1125	125V		145	185	3.8	•	•	•
1.60A	1160	125V		130	210	5.2	•	•	•
2.00A [1]	1200	125V		125	250	7.5	•	•	•
2.50A [1]	1250	125V		120	300	14	•	•	•
3.15A [1]	1315	125V		110	350	22	•	•	•
4.00A	1400	125V		110	400	27	•	•	•
5.00A	1500	125V		95	475	59	•	•	•
6.30A	1630	125V		95	570	100	•	•	

Note: 1.00 means the number one with two decimal places. 1,000 means the number one thousand.

Order Information

Qty.	Order-Number	Series	Amp Code	Packaging
		396		

Specifications are subject to change without notice

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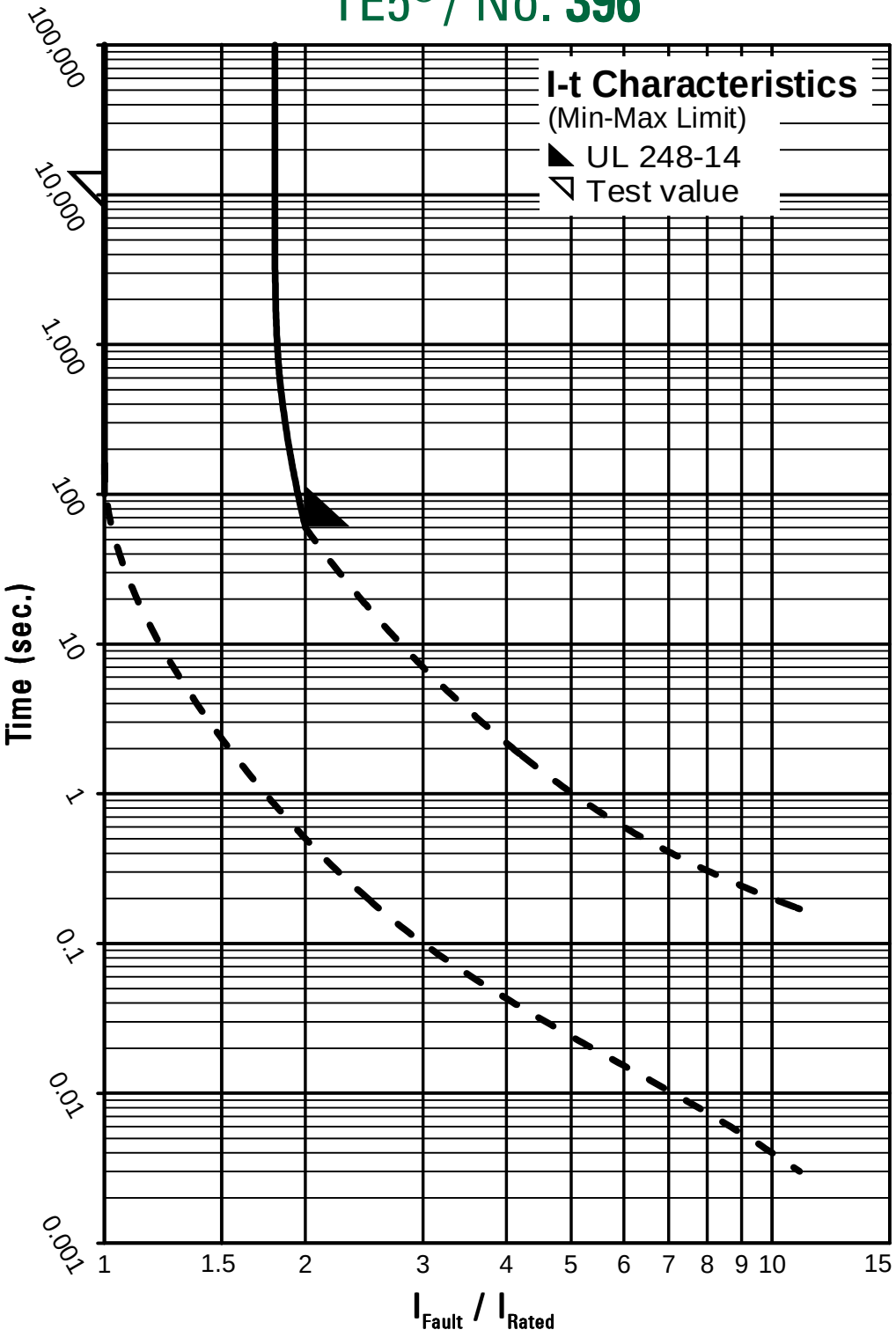

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