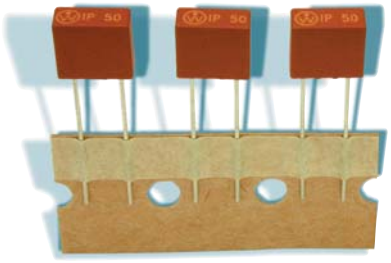
No. 399 / IP

Inrush Protector, 65 V

Leadfree



For Short Circuit Protection of Sensitive Electronic Components and Assemblies

Time-Current Characteristic
Time Lag (T)

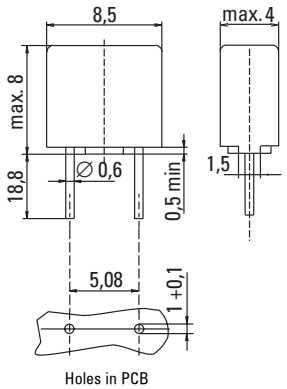
Approval
cULus Recognized

Operating Criteria
Maximum continuous current:
$I_C \geq I_{operating\ max} \times F_T$ time lag

Minimum fault current:
$I_{Fault} \geq 3 \times I_C$

Maximum fault current:
$I_{Fault} \leq 50A$ at 65VAC/DC

Dimensions (mm)



Holes in PCB

Features

For worldwide applications
Reduced PCB space requirements
Highly defined cut-off times
Irreversible physical separation
Low internal resistance
Flame resistant encapsulated casing

Specifications

Packaging
000: Tape/Ammopack (1400 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 60068-6)
10 - 60 Hz at 0.75 mm amplitude
60 - 2000 Hz at 10 g acceleration

Lead Pull Strength
10N (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
Ⓦ, Type

Unit Weight
0.60 g (approx.)

RoHS

Soldering Process Lead free

c UL us

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

Continous Current I_C	Type	Amp Code	Voltage Rating	Fault Current max.	Cold Resistance 0.1 x I_C typ. (mΩ)	Power Dissipation 1.0 x I_C max. (mW)	Melting Integral 10 x I_C typ. (A^2s)	Approvals cURus
125 mA	IP 13	0125	65 V		1600	125	0.13	•
160 mA	IP 16	0160	65 V		1100	140	0.2	•
200 mA	IP 20	0200	65 V		775	155	0.29	•
250 mA	IP 25	0250	65 V		550	170	0.42	•
315 mA	IP 32	0315	65 V		330	190	0.62	•
400 mA	IP 40	0400	65 V		265	220	0.92	•
500 mA	IP 50	0500	65 V	50 A / 65 V AC/DC	190	240	1.4	•
630 mA	IP 63	0630	65 V	50-60 Hz	130	265	2	•
800 mA	IP 80	0800	65 V	cos φ = 1.0	92	300	3	•
1.00 A	IP100	1100	65 V		65	330	4.3	•
1.25 A	IP125	1125	65 V		47	370	6.5	•
1.60 A	IP160	1160	65 V		33	420	9.8	•
2.00 A	IP200	1200	65 V		23	460	14	•
2.50 A	IP250	1250	65 V		17	520	20	•
3.15 A	IP315	1315	65 V		13	580	40	•
4.00 A	IP400	1400	65 V		10	650	75	•

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

Order Information

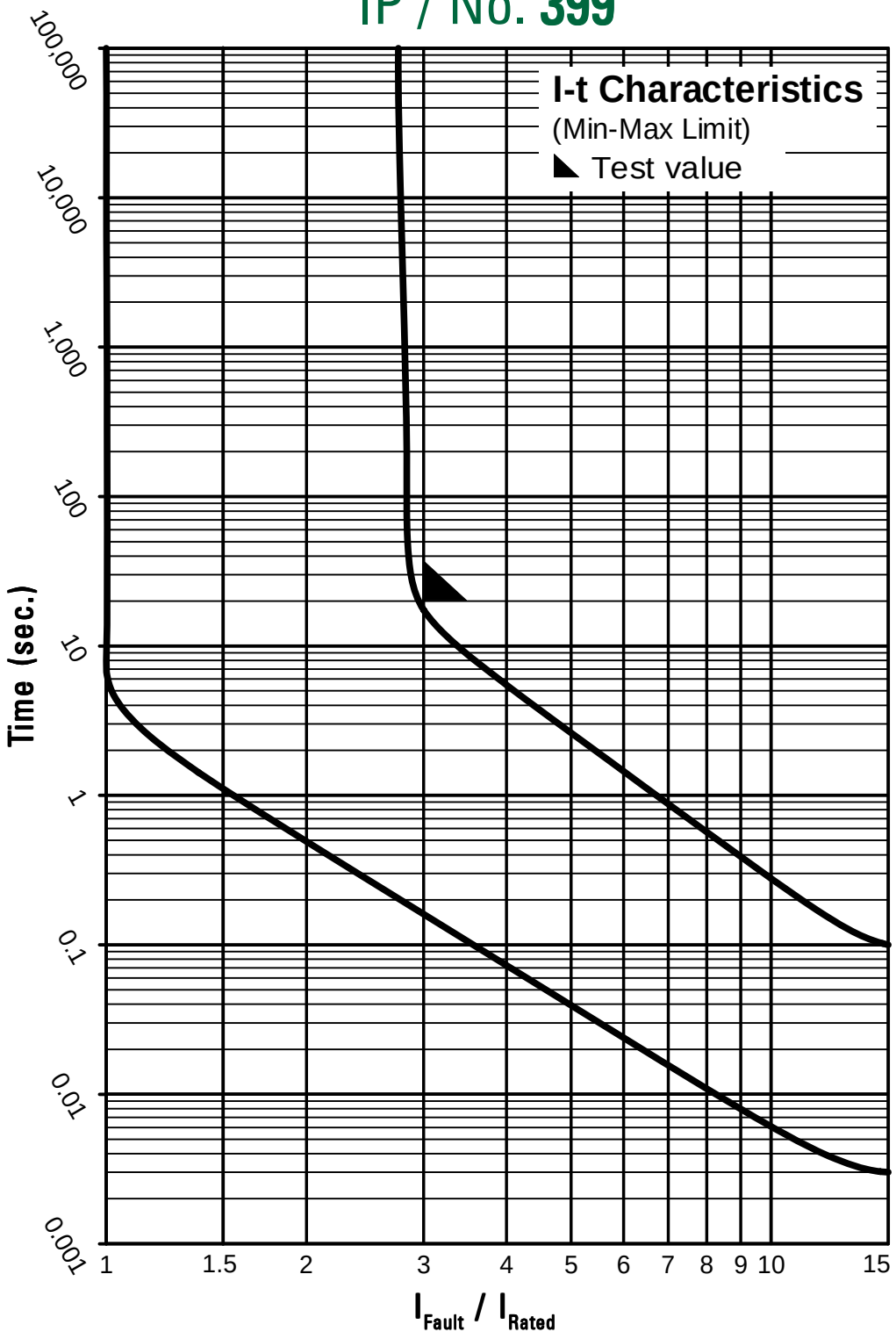
Qty.	Order-Number	Series	Amp Code	Packaging
		399		

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.

IP / No. **399**



Contact Littelfuse for individual I-t curves