



Dear Valued Distributors,

Product Change Notice

Due to the discontinuation of an electronic component, the fan electronics for the 5118N, 7118N, and 7118N/2 will have to be slightly adapted. This change moderately impacts some of the technical data for these models (please see attached datasheets for comparisons).

Part numbers and pricing as well as form / fit / function will remain unchanged; only our internal article number will be updated for traceability.

Last time buys for the current versions can be made until January 1, 2017

Part numbers impacted

- 5118N
- 7118N
- 7118N/2

Reason for change

Discontinuation of an electronic component

Description

Adaptation of electrical component leading to slight changes in technical data

Effect

Minimal

Attachments

- 5118N comparison datasheet
- 7118N comparison datasheet
- 7118N/2 comparison datasheet

Please let me know if you have any questions, or if you'd like any additional information.

Thank you,
Jeannine

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5118N



Durch die Abkündigung elektronischer Bauelemente musste die Elektronik des Lüfters geringfügig modifiziert werden.
Dadurch haben sich Werte des Lüfters geändert.

Due to the discontinuation of a electronic component the fan electronics had to be slightly adapted. Therefore specification figures changed.

Technische Daten / <i>technical data</i>	Old fan: 5118N (9295410022)	New fan: 5118N (9295410061)
Nennspannung / <i>Nominal Voltage</i>	48V	48V
Spannungsbereich / <i>Voltage Range</i>	24V...60V	24V...60V
Nenndrehzahl / <i>Nominal Speed</i>	2900 1/min	2900 1/min
Volumenstrom / <i>Air Flow</i>	260 m3/h	260 m3/h
Sollwerteingang / <i>Speed Control Input</i>	Keinen / <i>None</i>	Keinen / <i>None</i>
Signalausgang / <i>Signal Output</i>	Keinen / <i>None</i>	Keinen / <i>None</i>
Anlaufstrom / <i>Start-up Current</i>	< 1000 mA peak	< 500 mA peak
Anlaufverzögerung / <i>Start-up delay</i>	-/-	< 4 s
Einschaltstrom / <i>Inrush Current</i>	4 A peak	30 mA
Blockierschutz / <i>Locked Rotor Protection</i>	fall back current limiter	El. Wiederanl. / <i>el. restart</i> 0,5s / 5,0s
Leistungsaufnahme / <i>Power Consumption</i>	9,5 W	9,5 W
Geräusch / <i>Noise</i> (Schalldruck)	48,0 dB(A)	48,0 dB(A)
Schallleistung / <i>Sound Power</i>	6,1 bel(A)	6,1 bel(A)
Zulässige Umgebungstemperatur / <i>Temperature Range</i>	-25...+72°C	- 25...+72 °C
Lebensdauererwartung / <i>Life expectancy</i> L10 @ 40°C	80.000 h	80.000 h
Lebensdauererwartung / <i>Life expectancy</i> L10 @ max. Temp.	37.500 h	37.500 h
Lagersystem / <i>Bearing System</i>	Kugellager / <i>Ball bearing</i>	Kugellager / <i>Ball bearing</i>
Masse / <i>Mass</i>	0,650 kg	0,650 kg
Besonderheiten / <i>Specials</i>		

Old fan - 5118N (9295410022)	New fan - 5118N (9295410061)
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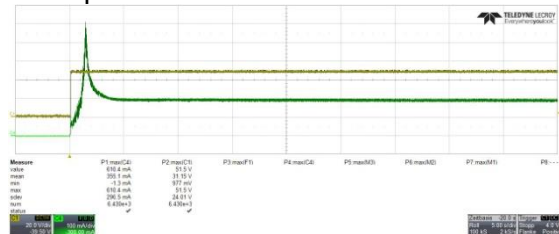
Inrush - hotplug (3.300μF @ power supply)

47μF Capacitor on PCB Inrush 4 A

To note inrush current @ U nom:

The internal electrolytic capacitor 47uF/63V has 12 Ohm resistor in line. The existing peak depends on several ceramic capacitors.

Startup

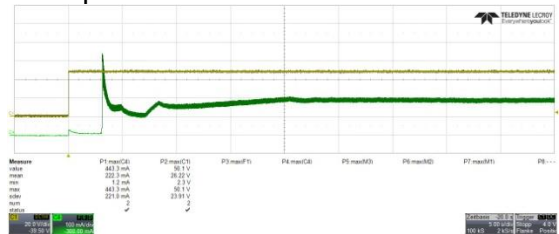


TELEPHONE ENERGY

Measure	P1: max(G)	P2: max(U)	P3: max(I)	P4: max(G)	P5: max(S)	P6: max(S)	P7: max(S)	P8: ...
value	532.5 mA	31.10 V	1.5 A	377 mW	53.0 V	296.5 mW	24.41 V	6.43e-3
min	395.1 mA	31.10 V	1.5 A	377 mW	53.0 V	296.5 mW	24.41 V	6.43e-3
max	532.5 mA	31.10 V	1.5 A	377 mW	53.0 V	296.5 mW	24.41 V	6.43e-3
min	395.1 mA	31.10 V	1.5 A	377 mW	53.0 V	296.5 mW	24.41 V	6.43e-3
max	532.5 mA	31.10 V	1.5 A	377 mW	53.0 V	296.5 mW	24.41 V	6.43e-3

N/A

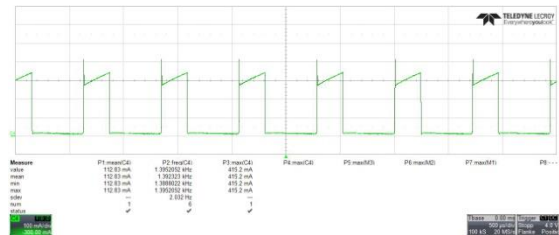
Startup



TELEPHONE ENERGY

Measure	P1: max(G)	P2: max(U)	P3: max(I)	P4: max(G)	P5: max(S)	P6: max(S)	P7: max(S)	P8: ...
value	481.5 mA	30.1 V	1.5 A	377 mW	53.0 V	296.5 mW	24.41 V	6.43e-3
min	395.1 mA	31.10 V	1.5 A	377 mW	53.0 V	296.5 mW	24.41 V	6.43e-3
max	481.5 mA	30.1 V	1.5 A	377 mW	53.0 V	296.5 mW	24.41 V	6.43e-3
min	395.1 mA	31.10 V	1.5 A	377 mW	53.0 V	296.5 mW	24.41 V	6.43e-3
max	481.5 mA	30.1 V	1.5 A	377 mW	53.0 V	296.5 mW	24.41 V	6.43e-3

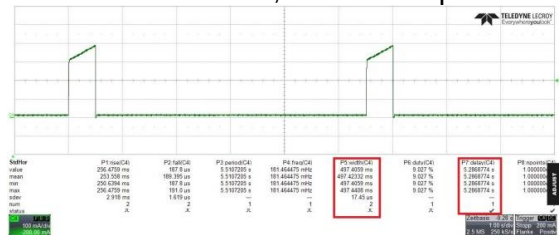
fall back current limiter



TELEPHONE ENERGY

Measure	P1: max(G)	P2: max(U)	P3: max(I)	P4: max(G)	P5: max(S)	P6: max(S)	P7: max(S)	P8: ...
value	112.0 mA	1.930021 kHz	415.2 mA	415.2 mA	415.2 mA	415.2 mA	415.2 mA	415.2 mA
min	112.0 mA	1.930021 kHz	415.2 mA	415.2 mA	415.2 mA	415.2 mA	415.2 mA	415.2 mA
max	112.0 mA	1.930021 kHz	415.2 mA	415.2 mA	415.2 mA	415.2 mA	415.2 mA	415.2 mA
min	112.0 mA	1.930021 kHz	415.2 mA	415.2 mA	415.2 mA	415.2 mA	415.2 mA	415.2 mA
max	112.0 mA	1.930021 kHz	415.2 mA	415.2 mA	415.2 mA	415.2 mA	415.2 mA	415.2 mA

locked Rotor 0.5s / 5,0s ~400mA peak



TELEPHONE ENERGY

Measure	P1: max(G)	P2: max(U)	P3: max(I)	P4: max(G)	P5: max(S)	P6: max(S)	P7: max(S)	P8: ...
value	255.4739 mA	107.8 μs	1.017225 A	101.654475 mW	487.4039 mW	487.4039 mW	487.4039 mW	487.4039 mW
min	255.4739 mA	107.8 μs	1.017225 A	101.654475 mW	487.4039 mW	487.4039 mW	487.4039 mW	487.4039 mW
max	255.4739 mA	107.8 μs	1.017225 A	101.654475 mW	487.4039 mW	487.4039 mW	487.4039 mW	487.4039 mW
min	255.4739 mA	107.8 μs	1.017225 A	101.654475 mW	487.4039 mW	487.4039 mW	487.4039 mW	487.4039 mW
max	255.4739 mA	107.8 μs	1.017225 A	101.654475 mW	487.4039 mW	487.4039 mW	487.4039 mW	487.4039 mW

7118N



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Dadurch haben sich Werte des Lüfters geändert.

Due to the discontinuation of a electronic component the fan electronics had to be slightly adapted. Therefore specification figures changed.

Technische Daten / technical data	Old fan: 7118N (9295410122)	New fan: 7118N (9295410160)
Nennspannung / Nominal Voltage	48V	48V
Spannungsbereich / Voltage Range	24V...60V	24V...60V
Nenndrehzahl / Nominal Speed	2850 1/min	2850 1/min
Volumenstrom / Air Flow	308 m3/h	308 m3/h
Sollwerteingang / Speed Control Input	Keinen / None	Keinen / None
Signalausgang / Signal Output	Keinen / None	Keinen / None
Anlaufstrom / Start-up Current	< 1000 mA peak	< 500 mA peak
Anlaufverzögerung / Start-up delay	-/-	< 4 s
Einschaltstrom / Inrush Current	4 A peak	30 mA
Blockierschutz / Locked Rotor Protection	fall back current limiter	el. Wiederanl. / el. restart 0,5s / 5,0s
Leistungsaufnahme / Power Consumption	11 W	11 W
Geräusch / Noise (Schalldruck)	53,0 dB(A)	53,0 dB(A)
Schallleistung / Sound Power	6,2 bel(A)	6,2 bel(A)
Zulässige Umgebungstemperatur / Temperature Range	-25...72°C	-25...+72°C
Lebensdauererwartung / Life expectancy L10 @ 40°C	80.000 h	80.000 h
Lebensdauererwartung / Life expectancy L10 @ max. Temp.	37.500 h	37.500 h
Lagersystem / Bearing System	Kugellager / Ball bearing	Kugellager / Ball bearing
Masse / Mass	0,620 kg	0,620 kg
Besonderheiten / Specials		

Old fan - 7118N (9295410122)	New fan - 7118N (9295410160)
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Inrush - hotplug (3.300μF @ power supply) 47μF Capacitor on PCB Inrush 4 A To note inrush current @ U nom: The internal electrolytic capacitor 47uF/63V has 12 Ohm resistor in line. The existing peak depends on several ceramic capacitors.	N/A
Startup	Startup
fall back current limiter	locked Rotor 0.5s / 5,0s ~400mA peak

7118N/2



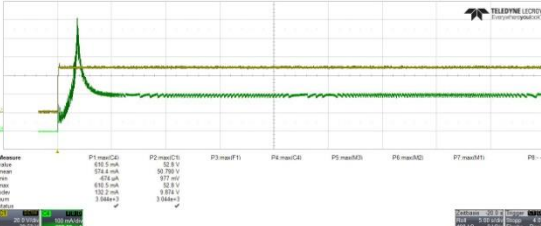
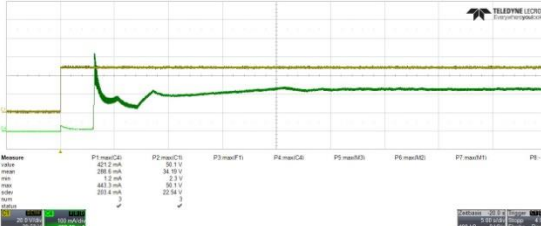
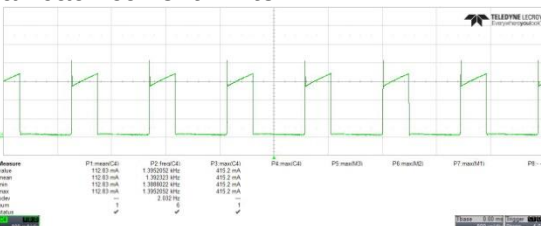
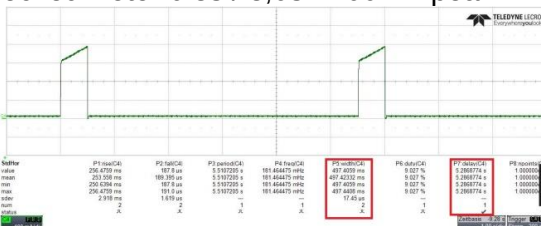
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Dadurch haben sich Werte des Lüfters geändert.

Due to the discontinuation of a electronic component the fan electronics had to be slightly adapted. Therefore specification figures changed.

Technische Daten / <i>technical data</i>	Old fan: 7118N/2 (9295410125)	New fan: 7118N/2 (9295410162)
Nennspannung / <i>Nominal Voltage</i>	48V	48V
Spannungsbereich / <i>Voltage Range</i>	24V...60V	24V...60V
Nenndrehzahl / <i>Nominal Speed</i>	2850 1/min	2850 1/min
Volumenstrom / <i>Air Flow</i>	308 m3/h	308 m3/h
Sollwerteingang / <i>Speed Control Input</i>	Keinen / <i>None</i>	Keinen / <i>None</i>
Signalausgang / <i>Signal Output</i>	Tacho/2	Tacho/2
Anlaufstrom / <i>Start-up Current</i>	< 1000 mA peak	< 500 mA peak
Anlaufverzögerung / <i>Start-up delay</i>	-/-	< 4 s
Einschaltstrom / <i>Inrush Current</i>	4 A peak	30 mA
Blockierschutz / <i>Locked Rotor Protection</i>	fall back current limiter	el. Wiederanl. / <i>el. restart</i> 0,5s / 5,0s
Leistungsaufnahme / <i>Power Consumption</i>	12 W	11 W
Geräusch / <i>Noise</i> (Schalldruck)	53,0 dB(A)	53,0 dB(A)
Schallleistung / <i>Sound Power</i>	6,2 bel(A)	6,2 bel(A)
Zulässige Umgebungstemperatur / <i>Temperature Range</i>	-25...72°C	-25...+72°C
Lebensdauererwartung / <i>Life expectancy</i> L10 @ 40°C	80.000 h	80.000 h
Lebensdauererwartung / <i>Life expectancy</i> L10 @ max. Temp.	37.500 h	37.500 h
Lagersystem / <i>Bearing System</i>	Kugellager / <i>Ball bearing</i>	Kugellager / <i>Ball bearing</i>
Masse / <i>Mass</i>	0,620 kg	0,620 kg
Besonderheiten / <i>Specials</i>		

Old fan - 7118N/2 (9295410122)	New fan - 7118N/2 (9295410162)
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Inrush - hotplug (3.300μF @ power supply) 47μF Capacitor on PCB Inrush 4 A To note inrush current @ U nom: The internal electrolytic capacitor 47uF/63V has 12 Ohm resistor in line. The existing peak depends on several ceramic capacitors.	N/A																																																																																																																																																
Startup  <table><tr><th>Measure</th><th>P1: max(C1)</th><th>P2: max(C1)</th><th>P3: max(F1)</th><th>P4: max(C4)</th><th>P5: max(M3)</th><th>P6: max(M3)</th><th>P7: max(M3)</th><th>P8: ...</th></tr><tr><td>value</td><td>572.0 mA</td><td>57.0 V</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>mean</td><td>278.4 mA</td><td>50.78 V</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>min</td><td>47.0 mA</td><td>977 mV</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>max</td><td>670.0 mA</td><td>928.1 V</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>stdv</td><td>122.2 mA</td><td>8.816 V</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>sum</td><td>3.584e+3</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>status</td><td>✓</td><td>✓</td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>	Measure	P1: max(C1)	P2: max(C1)	P3: max(F1)	P4: max(C4)	P5: max(M3)	P6: max(M3)	P7: max(M3)	P8: ...	value	572.0 mA	57.0 V							mean	278.4 mA	50.78 V							min	47.0 mA	977 mV							max	670.0 mA	928.1 V							stdv	122.2 mA	8.816 V							sum	3.584e+3								status	✓	✓							Startup  <table><tr><th>Measure</th><th>P1: max(C1)</th><th>P2: max(C1)</th><th>P3: max(F1)</th><th>P4: max(C4)</th><th>P5: max(M3)</th><th>P6: max(M3)</th><th>P7: max(M3)</th><th>P8: ...</th></tr><tr><td>value</td><td>421.2 mA</td><td>50.1 V</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>mean</td><td>286.5 mA</td><td>34.10 V</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>min</td><td>1.2 mA</td><td>2.1 V</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>max</td><td>643.0 mA</td><td>92.1 V</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>stdv</td><td>203.6 mA</td><td>22.36 V</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>sum</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>status</td><td>✓</td><td>✓</td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>	Measure	P1: max(C1)	P2: max(C1)	P3: max(F1)	P4: max(C4)	P5: max(M3)	P6: max(M3)	P7: max(M3)	P8: ...	value	421.2 mA	50.1 V							mean	286.5 mA	34.10 V							min	1.2 mA	2.1 V							max	643.0 mA	92.1 V							stdv	203.6 mA	22.36 V							sum									status	✓	✓						
Measure	P1: max(C1)	P2: max(C1)	P3: max(F1)	P4: max(C4)	P5: max(M3)	P6: max(M3)	P7: max(M3)	P8: ...																																																																																																																																									
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fall back current limiter  <table><tr><th>Measure</th><th>P1: max(C4)</th><th>P2: max(C4)</th><th>P3: max(C4)</th><th>P4: max(C4)</th><th>P5: max(M3)</th><th>P6: max(M3)</th><th>P7: max(M3)</th><th>P8: ...</th></tr><tr><td>value</td><td>112.0 mA</td><td>1.3902025 kHz</td><td>419.2 mA</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>mean</td><td>112.0 mA</td><td>1.381323 kHz</td><td>419.2 mA</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>min</td><td>112.0 mA</td><td>1.388622 kHz</td><td>419.2 mA</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>max</td><td>112.0 mA</td><td>1.393025 kHz</td><td>419.2 mA</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>stdv</td><td></td><td>0.003 kHz</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>sum</td><td>✓</td><td>✓</td><td>✓</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>status</td><td>✓</td><td>✓</td><td>✓</td><td></td><td></td><td></td><td></td><td></td></tr></table>	Measure	P1: max(C4)	P2: max(C4)	P3: max(C4)	P4: max(C4)	P5: max(M3)	P6: max(M3)	P7: max(M3)	P8: ...	value	112.0 mA	1.3902025 kHz	419.2 mA						mean	112.0 mA	1.381323 kHz	419.2 mA						min	112.0 mA	1.388622 kHz	419.2 mA						max	112.0 mA	1.393025 kHz	419.2 mA						stdv		0.003 kHz							sum	✓	✓	✓						status	✓	✓	✓						locked Rotor 0.5s / 5,0s ~400mA peak  <table><tr><th>Measure</th><th>P1: max(C4)</th><th>P2: max(C4)</th><th>P3: max(C4)</th><th>P4: max(C4)</th><th>P5: max(C4)</th><th>P6: max(C4)</th><th>P7: max(C4)</th><th>P8: ...</th></tr><tr><td>value</td><td>256.4759 ms</td><td>187.8 μs</td><td>5.518725 s</td><td>101.654475 mHz</td><td>437.2073 ms</td><td>9.027 %</td><td>5.2880774 s</td><td>1.000000</td></tr><tr><td>mean</td><td>256.4759 ms</td><td>188.359 μs</td><td>5.518725 s</td><td>101.654475 mHz</td><td>437.4232 ms</td><td>9.027 %</td><td>5.2880774 s</td><td>1.000000</td></tr><tr><td>min</td><td>256.4759 ms</td><td>187.8 μs</td><td>5.518725 s</td><td>101.654475 mHz</td><td>437.4009 ms</td><td>9.027 %</td><td>5.2880774 s</td><td>1.000000</td></tr><tr><td>max</td><td>256.4759 ms</td><td>191.8 μs</td><td>5.518725 s</td><td>101.654475 mHz</td><td>437.4480 ms</td><td>9.027 %</td><td>5.2880774 s</td><td>1.000000</td></tr><tr><td>stdv</td><td>2.917 ms</td><td>1.997 μs</td><td></td><td></td><td>17.45 ms</td><td></td><td></td><td></td></tr><tr><td>sum</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td></tr><tr><td>status</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td></tr></table>	Measure	P1: max(C4)	P2: max(C4)	P3: max(C4)	P4: max(C4)	P5: max(C4)	P6: max(C4)	P7: max(C4)	P8: ...	value	256.4759 ms	187.8 μs	5.518725 s	101.654475 mHz	437.2073 ms	9.027 %	5.2880774 s	1.000000	mean	256.4759 ms	188.359 μs	5.518725 s	101.654475 mHz	437.4232 ms	9.027 %	5.2880774 s	1.000000	min	256.4759 ms	187.8 μs	5.518725 s	101.654475 mHz	437.4009 ms	9.027 %	5.2880774 s	1.000000	max	256.4759 ms	191.8 μs	5.518725 s	101.654475 mHz	437.4480 ms	9.027 %	5.2880774 s	1.000000	stdv	2.917 ms	1.997 μs			17.45 ms				sum	✓	✓	✓	✓	✓	✓	✓	✓	status	✓	✓	✓	✓	✓	✓	✓	✓
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