

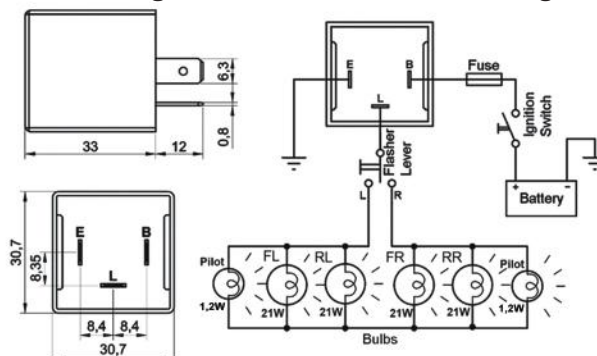
Micro Electronic Flasher - LED Compliant

Product Code **203.103.011**

- 12V
- 3 Terminals (E, L, B)
- LED Compliant



Terminal Configuration & Dimensions & Diagram



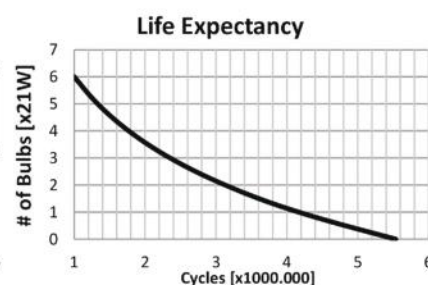
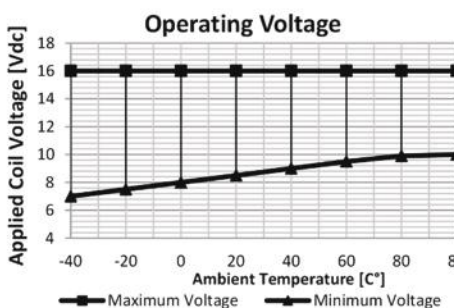
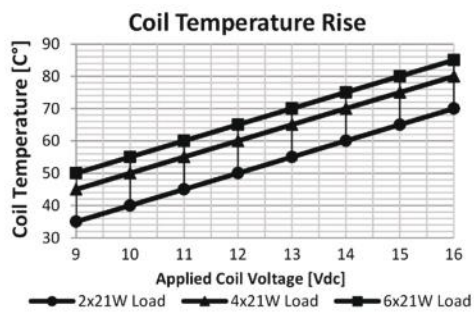
Accessories

- 207.130.251 Socket – 5 Terminals, 3 Cables - Black (Standard cable length 20 cm & cable section 1,50 mm²)*
- 207.100.003 Socket – 5 Terminals – Black & Blue/ Pack of 2
- 207.100.001 Socket – 5 Terminals – Black
- 207.100.002 Socket – 5 Terminals – Blue

* Indicates cross section of cables carrying higher current. Please refer to **Socket Product Group** pages for different alternatives.

Technical Data

Nominal Voltage	12V	Number of Poles (Marking)	3 (E,L,B)
Operating Voltage	10-16V	Independent Output for Tell-Tale Light (Terminal)	-
Rated Load - Direction Flashing	3x21W	Independent Output for Trailer Tell-Tale Light	-
Rated Load - Hazard Flashing	6x21W	Independent Output for Second Trailer Tell-Tale Light	-
Maximum Load	6x21W+2x3W+2x1,2W	Additional Features	LED Compliant
Flashes per minute	90±15	Mostly Used for Vehicle Made in	Japan & South Korea
On/Off Time (%)	45 / 55 (±5)	Ambient Temperature	-40 / +90 °C
Lamp Outage Indication	-	Bracket	-
Lamp Outage Indication Method	-		



Notes

Cross Codes and OEM Part Numbers are listed on the next page. All measurements are in millimeters.

Micro Electronic Flasher - LED Compliant

Product Code **203.103.011 (Cont'd)**

• 12V

• 3 Terminals (E, L, B)

• LED Compliant

Product Details

This flasher carries 3 x 21W + 3W on directional lights, and 6 x 21W + 2 x 3W on hazard lights. It is designed for vehicles with separate pilot lamp for each direction (double pilot lamp). All 3 Terminals of the flasher (E, L, B) are 6,3 mm. plug-in terminals. The most important feature of this flasher is its higher life cycle. Due to this feature, it is the first choice for special vehicles (such as heavy machinery) using headlights or beacon lights more frequently for longer periods of time. In addition to Japanese and South Korean vehicles, the flasher is exact replacement for German production vehicles (49,49a, 31). The flasher can be used in cars of other origins after a simple cross wiring of terminal cables.

Cross Codes ***MAHLE**

MFL30 72473917

MFL31 72473918

NAGARES

ITJ/3-12

ITJS/3-12

* The products on the cross codes list are in accordance with nominal voltage, operating voltage, terminal layout and markings. Other technical information may vary.

OEM Part Numbers ****SUZUKI**

38610-85C00

** OEM part numbers listed are compiled from the information provided by the Original Equipment Manufacturers, open and restricted access third party sources.

Micro Electronic Flasher - Led Compliant

Product Code **203.103.013**

- 24V
- 3 Terminals (E, L, B)
- LED Compliant

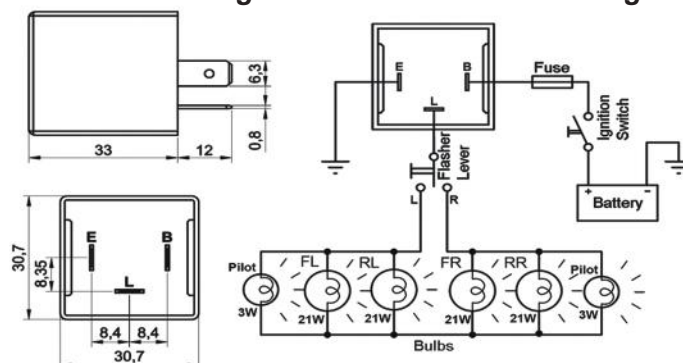


Accessories

- 207.130.251 Socket – 5 Terminals, 3 Cables - Black (Standard cable length 20 cm & cable section 1,50 mm²)*
- 207.100.003 Socket – 5 Terminals – Black & Blue/ Pack of 2
- 207.100.001 Socket – 5 Terminals – Black
- 207.100.002 Socket – 5 Terminals – Blue

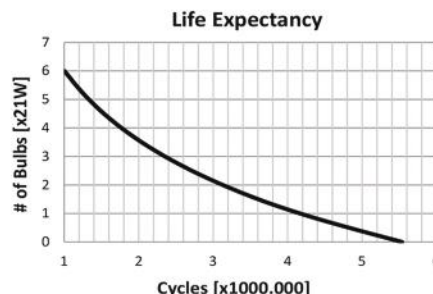
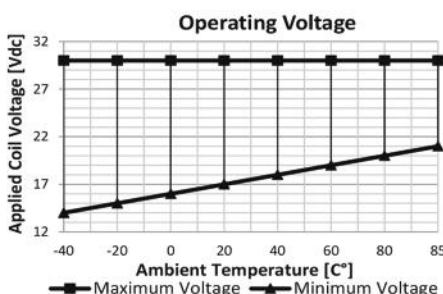
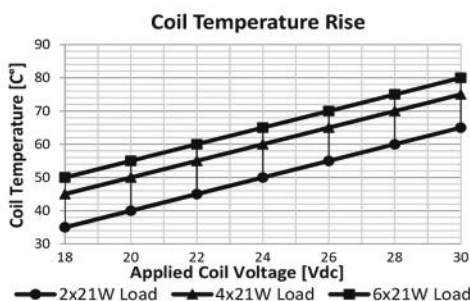
* Indicates cross section of cables carrying higher current. Please refer to **Socket Product Group** pages for different alternatives.

Terminal Configuration & Dimensions & Diagram



Technical Data

Nominal Voltage	24V	Number of Poles (Marking)	3 (E,L,B)
Operating Voltage	20-30V	Independent Output for Tell-Tale Light (Terminal)	-
Rated Load - Direction Flashing	3x21W	Independent Output for Trailer Tell-Tale Light (Terminal)	-
Rated Load - Hazard Flashing	6x21W	Independent Output for Second Trailer Tell-Tale Light (Terminal)	-
Maximum Load	6x21W+2x3W+2x1,2W	Additional Features	LED Compliant
Flashes per minute	90±15	Mostly Used for Vehicle Made in	Japan & South Korea
On/Off Time (%)	45 / 55 (±5)	Ambient Temperature	-40 / +90 °C
Lamp Outage Indication	-	Bracket	-
Lamp Outage Indication	-		



Product Details

This flasher carries 3 x 21W + 3W on directional lights, and 6 x 21W + 2 x 3W on hazard lights. It is designed for vehicles with separate pilot lamp for each direction (double pilot lamp). All 3 Terminals of the flasher (E, L, B) are 6,3 mm. plug-in terminals. The most important feature of this flasher is its higher life cycle. Due to this feature, it is the first choice for special vehicles (such as heavy machinery) using headlights or beacon lights more frequently for longer periods of time. It is an exact replacement for Japanese and South Korean vehicles carrying same technical data. The flasher can be used in cars of other origins after a simple cross wiring of terminal cables.

Notes

All measurements are in millimeters.

