

## Micro Electronic Flasher - LED Compliant

Product Code **203.103.003**

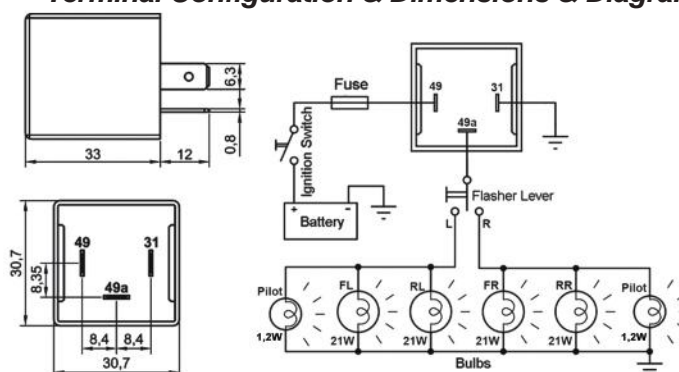
• 12V

• 3 Terminals (49, 49a, 31)

• LED Compliant



### Terminal Configuration & Dimensions & Diagram



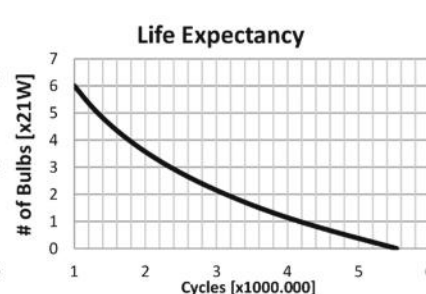
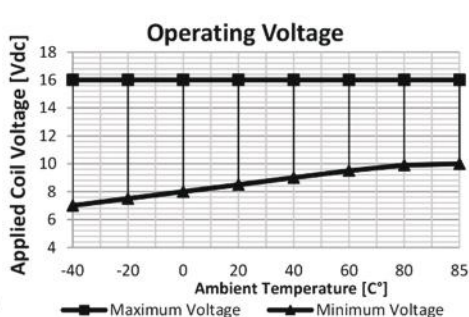
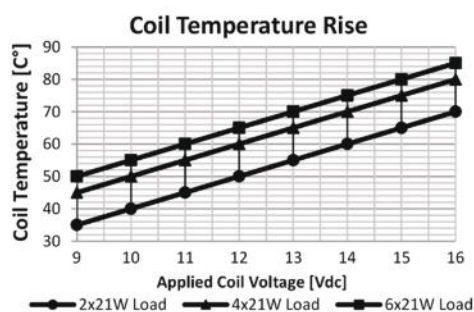
### Accessories

- 207.130.251 Socket – 5 Terminals, 3 Cables - Black (Standard cable length 20 cm & cable section 1,50 mm<sup>2</sup>)\*
- 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

<b>Nominal Voltage</b>	12V	<b>Number of Poles (Marking)</b>	3 (49,49a,31)
<b>Operating Voltage</b>	10-16V	<b>Independent Output for Tell-Tale Light</b>	-
<b>Rated Load - Direction Flashing</b>	3x21W	<b>Independent Output for Trailer Tell-Tale Light</b>	-
<b>Rated Load - Hazard Flashing</b>	6x21W	<b>Independent Output for Second Trailer Tell-Tale Light</b>	-
<b>Maximum Load</b>	6x21W+2x3W+2x1,2W	<b>Additional Features</b>	LED Compliant
<b>Flashes per minute</b>	90±15	<b>Mostly Used for Vehicle Made in</b>	Germany
<b>On/Off Time (%)</b>	45 / 55 ( ±5 )	<b>Ambient Temperature</b>	-40 / +90 °C
<b>Lamp Outage Indication</b>	-	<b>Bracket</b>	-
<b>Lamp Outage Indication Method</b>	-		



### 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 (49, 49a, 31) are 6,3 mm. plug-in terminals. The product can be used with LED signals, as well as standard signals. 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. The flasher is exact replacement for German production vehicles with 3 terminals (49,49a, 31). For vehicle of other origins, simple wire crossing may be used.

### Notes

Cross Codes and OEM Part Numbers are listed on the next pages.

All measurements are in millimeters.

**Micro Electronic Flasher - LED Compliant**Product Code **203.103.003 (Cont'd)**

• 12V

• 3 Terminals (49, 49a, 31)

• LED Compliant

**Cross Codes \***

<b>AUTOMEGA</b>	<b>HELLA</b>	<b>HITACHI</b>	<b>NAGARES (Cont'd)</b>
1500030	4DB 003 750-311	132209	ITGE/3-12
150096010	4DB 003 750-391	2502209	ITGR/3-12
3012260902	4DB 003 750-711	<b>MAHLE</b>	ITGS/3-12
3012260932	4DB 003 750-721	MFL16 72473900	<b>SWAG</b>
<b>FEBI BILSTEIN</b>	4DB 003 750-717	MFL20 72473905	30 91 1574
04633	4DB 003 750-737	MFL21 72473907	40 90 4633
11574	<b>HERTH+BUSS</b>	<b>NAGARES</b>	50 91 4534
14534	75605148	ITG/3-12	<b>VEMO</b>

\* The products on the cross codes list are in accordance with nominal voltage, operating voltage, terminal layout and markings. Other technical information may vary. V15-71-0011

**OEM Part Numbers \*\***

<b>AUDI</b>	<b>BMW (Cont'd)</b>	<b>FORD</b>	<b>HYUNDAI</b>
111953227	61311367158	1035579	9555021000
111953227A	61311371539	1037955	9555021001
111953227B	61311371851	1050711	9555021002
111 953 227 D	61311371907	1 224 911	<b>LADA</b>
111953297D	61311371909	1631494	21083747010
113953227	61311372021	4078559	<b>LANCIA</b>
176 953 227	61364257342	4147429	4347645
191 953 227	XXXX1126966	4162892	7573490
191 953 227 A	XXXX1362386	5020137	<b>LEXUS</b>
1H0 953 227	<b>BUICK</b>	6041768	8198012070
431953231	90055543	6048781	<b>LIEBHERR</b>
6U0 953 227	<b>CADILLAC</b>	6061005	1 116 645 7
803953183B	90055543	6123250	<b>MERCEDES-BENZ</b>
<b>BMW</b>	<b>CHEVROLET</b>	6126024	002 544 37 32
1126966	90055543	6822566	002 544 48 32
12111364984	9148292	7203386	002 544 86 32
12111365113	<b>CITROËN</b>	7228813	003 544 27 32
1365113	632324	1C1T 13350BA	195450232
1366727	9563533980	3M2114384AA	25441332
1371539	<b>CLAAS</b>	75DB13350AA	35442732
1 371 851	6040290	75DB13350A3A	25443732
1371907	<b>DAF</b>	78GG13350AA	25444832
1371909	279419	78LB13350AA	25448532
4257342	<b>FIAT</b>	81BG13350AB	25449132
61311243565	156034618	83BG13350AA	25449232
61311244314	4347645	85GG1335DAA	75459932
61311244377	4476337	86VB13350BA	8200305
61311244392	6053889	93AG13350AB	8210963
61311351608	735491937	95VW14384BA	9823823
61311356383	7573490	<b>GENERAL MOTORS</b>	A 002 544 13 32
61311356483	7789496	90055543	A 002 544 85 32
61311364984	8122160	90057384	A 002 544 91 32
61311365113	82389077	9285485	A 002 544 92 32
61311365117	82430021		A 019 545 02 32
61311366727			

\*\* 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 **203.103.003 (Cont'd)**

• 12V

• 3 Terminals (49, 49a, 31)

• LED Compliant

**OEM Part Numbers\*\***

<b>NISSAN</b>	<b>SEAT (Cont'd)</b>	<b>VAG</b>	<b>VW</b>
25730 16B00	1H0 953 227	111953227A	111941 521
2573004F00	6U0 953 227	111953227B	111 941 521 2
2573041L00	<b>SKODA</b>	111953227C	111 953 227 A
2573061L00	004 049 104	111953227D	111 953 227 B
B573016B00	004 049 113	191953227	111 953 227 D
B573016B25	111 953 227 D	191953227A	111 953 227 Q
B573016B26	191 253 227	1H0 953 227	111 953 297 D
<b>OPEL</b>	191953227A	6U0 953 227	113 953 227
1226902	1H0 953 227	<b>VAUXHALL</b>	113 953 227 A
1226919	6U0 953 227	90040385	176 953 227
1226925	<b>SUZUKI</b>	90055543	191 253 227
1226926	3861078000	90057384	191953227A
1226929	3861078001	91096557	1H0 953 227
1226931	3861078002	9148292	311 941 583
1226932	3861078004	9285485	311 941 583 1
1226934	3861078300	<b>VOLVO</b>	431 953 231
1226935	3861078301	111941521	6U0 953 227
90040385	3861078302	1119415212	803 953 183 B
90055543	3861078304	111953227A	<b>ZASTAVA</b>
91096557	38610C78303	111953227B	1610481
9148292	38610D78303	111953227D	176 953 227
<b>PEUGEOT</b>	38610F78303	111953227Q	211 953 231 G
632324	38610G78303	113953227	191 953 227
95 635 339 80	38610H78303	1139532271	
<b>PONTIAC</b>	38610H78303000	1139532272	
90055543	83610A78303	1210123	
<b>PORSCHE</b>	38610M78314	1210124	
111953227D	<b>TEREX</b>	1214008	
1H0 953 227	6195171M1	1215737	
901 618 303 00	<b>TOYOTA</b>	1234126	
914 618 303 00	81980 12070	1235232	
914 618 303 10	8198002010	1259615	
914 618 303 11	8198003010	1307066	
<b>PROTON</b>	8198005010	1323317	
MB 302373	8198005020	1363786	
PW 500081	8198006010	191953227A	
PW 500223	8198012110	20021891508	
<b>SAAB</b>	8198022090	311941583	
4069985	8198022110	3119415831	
8583627	8198032010	3279419	
<b>SEAT</b>	819800W010	431953231	
111 953 227 D	81980AB011	9442468	
191 253 227	81980AC030	1H0953227	
191953227A		6U0953227	
431 953 231		803953183B	

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

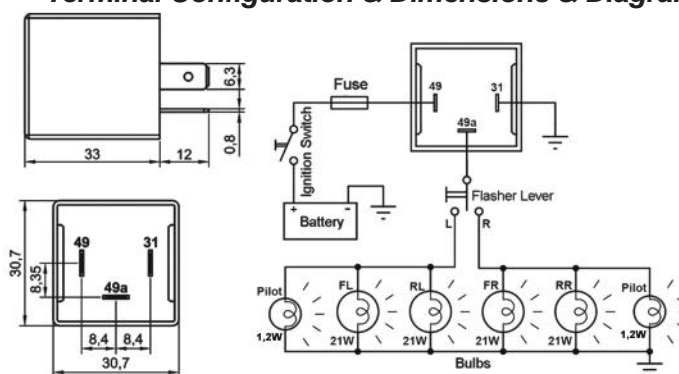
**Micro Electronic Flasher - LED Compliant**

Product Code **203.103.005**

- 24V
- 3 Terminals (49, 49a, 31)
- LED Compliant



**Terminal Configuration & Dimensions & Diagram**



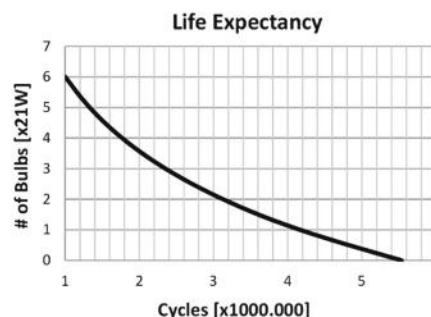
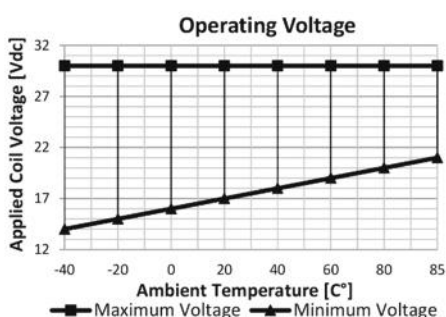
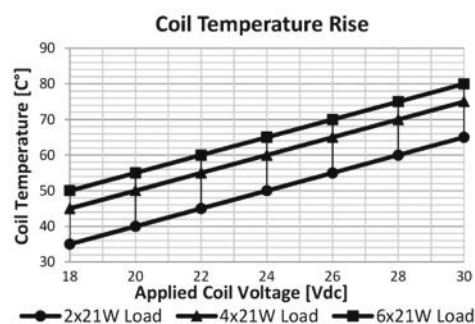
**Accessories**

- 207.130.251 Socket – 5 Terminals, 3 Cables - Black (Standard cable length 20 cm & cable section 1,50 mm<sup>2</sup>)\*
- 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**

<b>Nominal Voltage</b>	24V	<b>Number of Poles (Marking)</b>	3 (49,49a,31)
<b>Operating Voltage</b>	20-30V	<b>Independent Output for Tell-Tale Light</b>	-
<b>Rated Load - Direction Flashing</b>	3x21W	<b>Independent Output for Trailer Tell-Tale Light</b>	-
<b>Rated Load - Hazard Flashing</b>	6x21W	<b>Independent Output for Second Trailer Tell-Tale Light</b>	-
<b>Maximum Load</b>	6x21W+2x3W+2x1,2W	<b>Additional Features</b>	LED Compliant
<b>Flashes per minute</b>	90±15	<b>Mostly Used for Vehicle Made in</b>	Germany
<b>On/Off Time (%)</b>	45 / 55 ( ±5 )	<b>Ambient Temperature</b>	-40 / +90 °C
<b>Lamp Outage Indication</b>	-	<b>Bracket</b>	-
<b>Lamp Outage Indication Method</b>	-		



**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 **203.103.005 (Cont'd)**

• 24V

• 3 Terminals (49, 49a, 31)

• 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 (49, 49a, 31) are 6,3 mm. plug-in terminals. The product can be used with LED signals, as well as standard signals. 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. The flasher is exact replacement for German production vehicles with 3 terminals (49,49a, 31). For vehicle of other origins, simple wire crossing may be used.

**Cross Codes \***

<b>DT</b>	<b>HELLA</b>	<b>NAGARES</b>
1.21095	4AZ 001 879-021	ITG/3-24
<b>ERA</b>	4AZ 001 879-051	ITGS/3-24
661142	4DB 003 675-001	<b>WEHRLE</b>
661151	4DB 003 675-011	53 401 101
<b>FEBI BILSTEIN</b>	<b>HERTH+BUSS</b>	
45368	75605124	
45597	75605132	

\* 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 \*\***

<b>AUWARTER</b>	<b>KHD</b>	<b>TEREX</b>
1506.045-10	2525459	3600140034
771-BG006	<b>LIEBHERR</b>	5350638969
<b>CLAAS</b>	1 056 106 09	<b>SCANIA</b>
3790437	1 056 106 16	233200
<b>DAF</b>	606011808	<b>SUZUKI</b>
1526247	606011814	14176755
867510	6905750	<b>VOLVO</b>
<b>DOLL</b>	<b>MAN</b>	2552008
7086805	81253100011	3018414
7131049	81.25310-6012	34025723
<b>FAUN</b>	81.25311-0003	4803798
1713074	82.259.020.042	5 241 022
1713-081	85271200001	
8412775	90.81616-1281	
<b>IRISBUS</b>	<b>MERCEDES-BENZ</b>	
0 4201 3486	000 8221 321	
0 4256 1002	000 982 0523	
0 9710 3573	001 820 4710	
<b>IVECO</b>	002 544 5532	
1172944	002 544 8332	
2525459	002 544 9432	
42013486	<b>NISSAN</b>	
4256 1002	25585-G9701	
5032 90866		
9710 3573		

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