

Micro Electronic Flasher

Product Code **203.103.001**

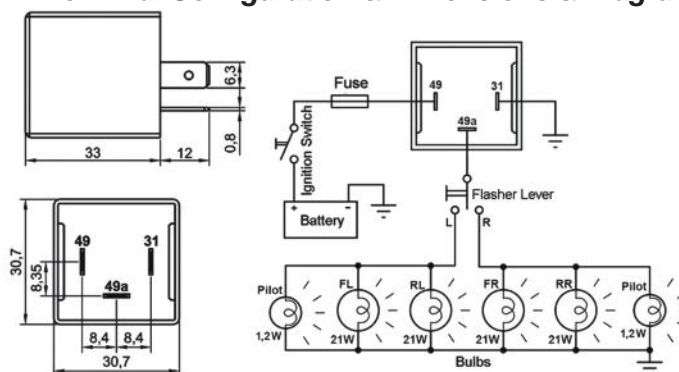
• 12V

• 3 Terminals (49, 49a, 31)

• w/ Lamp Outage Detection



Terminal Configuration & Dimensions & Diagram



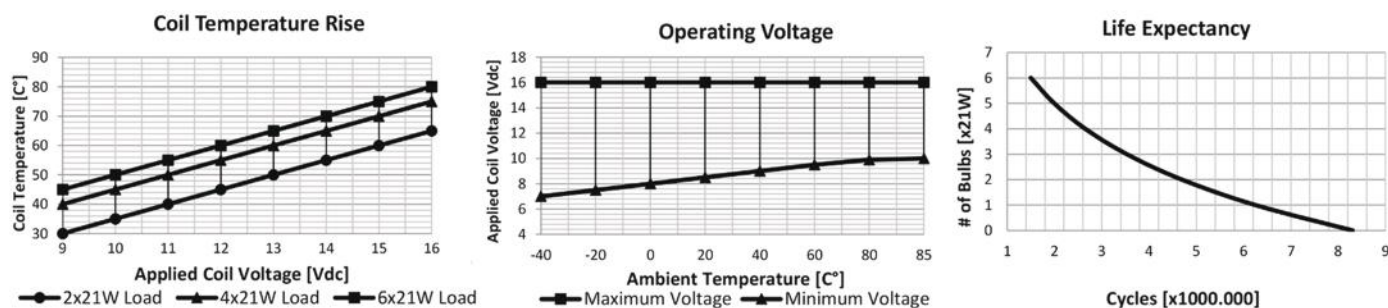
Accessories

- 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 (49,49a,31)
Operating Voltage	10-16V	Independent Output for Tell-Tale Light	-
Rated Load - Direction Flashing	4x21W	Independent Output for Trailer Tell-Tale Light	-
Rated Load - Hazard Flashing	10x21W	Independent Output for Second Trailer Tell-Tale Light	-
Maximum Load	10x21W+2x3W+2x1,2W	Additional Features	-
Flashes per minute	90±15	Mostly Used for Vehicle Made in	Germany
On/Off Time (%)	45 / 55 (±5)	Ambient Temperature	-40 / +90 °C
Lamp Outage Indication	Yes	Bracket	-
Lamp Outage Indication Method	Increased speed		



Product Details

ELO Micro Electronic Flasher carries 4 x 21W + 3W on directional lights, and 10 x 21W + 2 x 3W on hazard lights. It is designed for vehicles with separate pilot lamp for each direction (double pilot lamp). If one of the bulbs are malfunctioning or in case of a bulb lower than 21W, the flasher has the ability to warn the driver with an increased speed while functioning. All 3 Terminals of the flasher (49, 49a, 31) are 6,3mm. plug-in terminals. The difference of this product from ELO Flasher with product code of 203.104.002 is the size. ELO Micro Electronic Flasher, although having the same functionality, is smaller in size than 203.104.002.

Notes

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



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Product Code **203.103.001 (Cont'd)**

• 12V

• 3 Terminals (49, 49a, 31)

• w/ Lamp Outage Detection

Cross Codes *

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

* 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 **

AUDI	BMW (Cont'd)	FORD	HYUNDAI
111953227	61311367158	1035579	9555021000
111953227A	61311371539	1037955	9555021001
111953227B	61311371851	1050711	9555021002
111 953 227 D	61311371907	1 224 911	LADA
111953297D	61311371909	1631494	21083747010
113953227	61311372021	4078559	LANCIA
176 953 227	61364257342	4147429	4347645
191 953 227	XXXX1126966	4162892	7573490
191 953 227 A	XXXX1362386	5020137	LEXUS
1H0 953 227	BUICK	6041768	8198012070
431953231	90055543	6048781	LIEBHERR
6U0 953 227	CADILLAC	6061005	1 116 645 7
803953183B	90055543	6123250	MERCEDES-BENZ
BMW	CHEVROLET	6126024	002 544 3732
1126966	90055543	6822566	002 544 4832
12111364984	9148292	7203386	002 544 8632
12111365113	CITROËN	7228813	003 544 2732
1365113	632324	1C1T 13350BA	195450232
1366727	9563533980	3M2114384AA	25441332
1371539	CLAAS	75DB13350AA	35442732
1 371 851	6040290	75DB13350A3A	25443732
1371907	DAF	78GG13350AA	25444832
1371909	279419	78LB13350AA	25448532
4257342	FIAT	81BG13350AB	25449132
61311243565	156034618	83BG13350AA	25449232
61311244314	4347645	85GG1335DAA	75459932
61311244377	4476337	86VB13350BA	8200305
61311244392	6053889	93AG13350AB	8210963
61311351608	735491937	95VW14384BA	9823823
61311356383	7573490	GENERAL MOTORS	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 FlasherProduct Code **203.103.001 (Cont'd)**

• 12V

• 3 Terminals (49, 49a, 31)

• w/ Lamp Outage Detection

OEM Part Numbers**

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

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