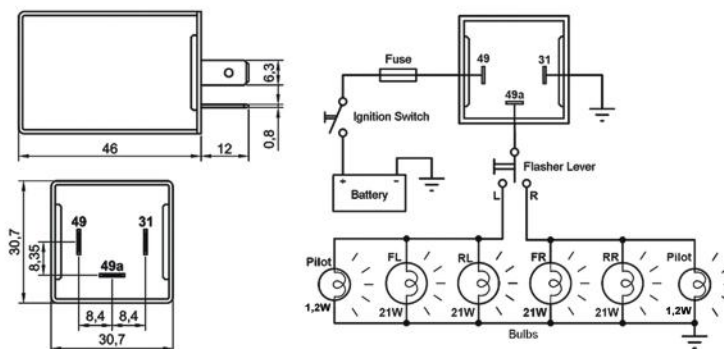


Electronic Flasher

Product Code **203.104.002**

- 12V
- 3 Terminals (49, 49a, 31)
- w/ Lamp Outage Detection

Terminal Configuration & Dimensions & Diagram



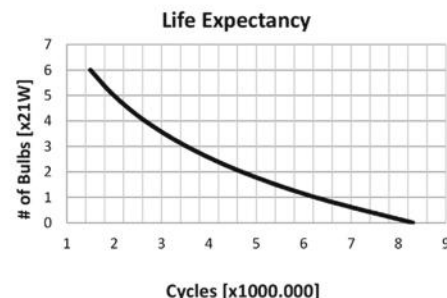
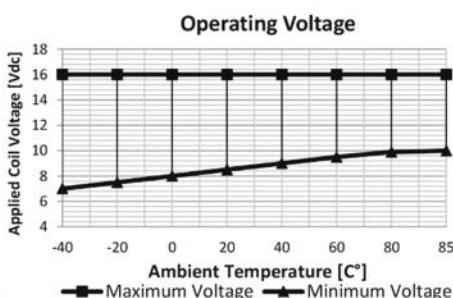
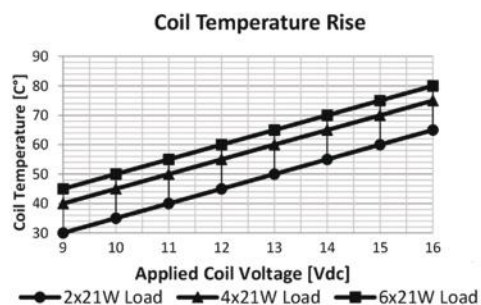
Accessories

- 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 (Terminal)	-
Rated Load - Direction Flashing	4x21W	Independent Output for Trailer Tell-Tale Light (Terminal)	-
Rated Load - Hazard Flashing	10x21W	Independent Output for Second Trailer Tell-Tale Light (Terminal)	-
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		



Notes

Cross Codes and OEM Part Numbers are listed on the next pages.
 Available in black cover and/or w/ bracket upon request.
 All measurements are in millimeters.

Electronic FlasherProduct Code **203.104.002 (Cont'd)**

• 12V

• 3 Terminals (49, 49a, 31)

• w/ Lamp Outage Detection

Product Details

ELO Electronic Flasher 12V (49, 49a, 31) 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 6,3 mm. plug-in terminals.

Cross Codes *

BOSCH	BOSCH (Cont'd)	GEBE	HELLA	NAGARES
0 335 200 028	0 335 200 075	9 9081 1	4AZ 001 879-011	ITFE/110-12
0 335 200 038	0 335 200 801	HERTH+BUSS	4AZ 001 879-041	ITM/100-12
0 335 200 043	ERA	75605046	MAHLE	VALEO
0 335 200 054	661141	75605123	MFL15 72473898	641422
0 335 200 066	661144		MFL32 72473919	WEHRLE
0 335 200 073				53 201 101

* 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 **

AUDI	BUICK	FORD (Cont'd)	LEXUS
113953227	9055543	0407 8559	81980 12070
111953227A	CADILLAC	0416 2892	MAN
111953227D	90055543	0502 0137	81 27421 6010
1H0 953 227	CHEVROLET	0604 8781	90 81616 1282
431 953 231	90 055 543	0606 1005	MERCEDES-BENZ
803953183B	9148292	0612 3250	001 544 45 32
IH0953227	CITROËN	0612 6024	001 544 91 32
KDWHLO9042	632324	0682 2566	0025444832
AUWARTER	95 635 339 80	0722 8813	0025448632
771-BG015	CLAAS	6041768	002 544 54 32
BMW	001 47710	6048 781	002 544 37 32
12 11 1 364 984	191 953 227 A	6123 250	003 544 27 32
12 11 1 365 113	DAF	6126024	014 542 67 17
1 126 966	279419	6048781	54201101
1 244 377	FAUN	75DB 13350AA	A 000 821 09 63
1 244 392	1713-082	75DB 13350A3A	A 000 982 38 23
1 362 386	FENDT	78GG-13350-AA	A 002 544 13 32
1 365 113	X830250014	81BG 13350 AB	A 002 544 85 32
1366727	FIAT	83BG 13350 AA	A 002 544 91 32
1 371 539	105 08 65 093 00/00	85GG13350AA	A 002 544 92 32
1371907	4476337	HYUNDAI	A 014 542 67 17
1371909	7573490	95550 21002	A 019 545 02 32
61300371909	7789496	JOHN DEERE	NISSAN
61311365117	82430021	AZ 26 993	25730 16B00
61311371907	83BG13350AA	AZ 30 382	OPEL
61311366727	FORD	LADA	
61 31 1 243 565	0103 5579	2108 3747010	
61 31 1 244 392	0103 7955	LANCIA	
61 36 4 257 342	0105 0711	7573490	
61 31 1 372 021	0163 1494		

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



Electronic FlasherProduct Code **203.104.002 (Cont'd)**

- 12V
- 3 Terminals (49, 49a, 31)
- w/ Lamp Outage Detection

OEM Part Numbers**

OPEL	VOLVO
1226902	1215737
1226919	1259615
1226925	20021891508
1226929	VW
12 26 931	111941 521
1226932	111 941 521 2
1226934	111 953 227 A
1776164	111 953 227 B
90040385	111 953 227 D
90055543	111 953 227 Q
91096557	113 953 227
9148292	113 953 227 A
V43160800	1H0 953 227
PEUGEOT	311 941 583
632324	311 941 583 1
95 635 339 80	431 953 231
PONTIAC	6U0 953 227
90055543	803 953 183 B
PORSCHE	KDWHLO9042
111953227D	ZASTAVA
1H0 953 227	1610481
914 618 303 11	
RENAULT	
50 00 255 789	
SAAB	
4069985	
8583627	
SAVIEM	
50 00 255 789	
SCANIA	
229527	
SEAT	
191953227A	
1H0 953 227	
431 953 231	
SPIERINGS KRANEN	
1065357	
TOYOTA	
81980 12070	
VAUXHALL	
90040385	
90055543	
91096557	
9148292	

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