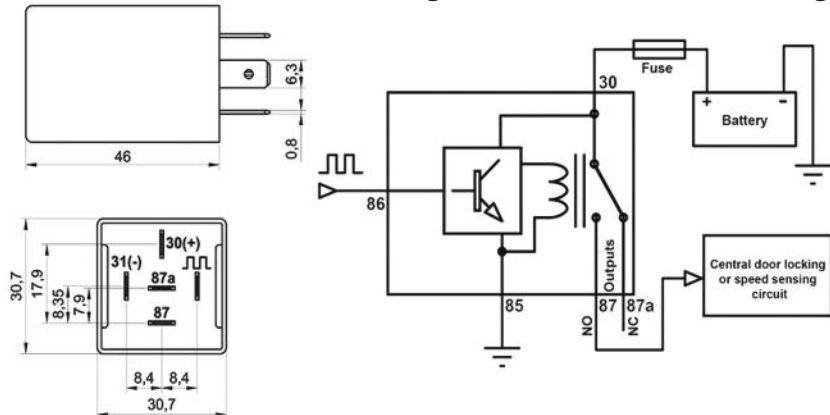


Speed Sensing Door Locking Relay

Product Code **201.023.001 - 12V**
 201.023.003 - 24V



Terminal Configuration & Dimensions & Diagram



Accessories

- 207.150.251 Socket – 5 Terminals, 5 Cables - Black (Standard cable length 20 cm & cable cross 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

	201.023.001	201.023.003
Nominal Voltage	12V	24V
Operating Voltage	9,0 - 16,0Vdc	18,0 - 30,0Vdc
Rated Continuous Load	NO 20A / NC 10A	NO 10A / NC 5A
Nominal Continuous Load	NO 240W / NC 120W	NO 240W / NC 120W
Output Contact Structure	1 Form C / SPDT	1 Form C / SPDT
Activation	50 Hz Standard Production (5 Hz-45 Hz on special request)	50 Hz Standard Production (5 Hz-45 Hz on special request)
Deactivation	45 Hz Standard Production (5 Hz-45 Hz on special request)	45 Hz Standard Production (5 Hz-45 Hz on special request)
Hysteresis	5 Hz Standard Production (5 Hz-1 kHz on special request)	5 Hz Standard Production (5 Hz-1 kHz on special request)
Trigger Type	(+) Standard production / (-) On request	(+) Standard production / (-) On request
Dielectric Strength	>1000Vdc	>1000Vdc
Vibration	20-200Hz,5g;>10us	20-200Hz,5g;>10us
Mechanical Shock	>10g, 11ms>10us	>10g, 11ms>10us
IP Rating	IP54 DIN IEC60529	IP54 DIN IEC60529
Terminals	6,3 x 0,8mm	6,3 x 0,8mm
Terminals / Plating	Fe/E-Sn	Fe/E-Sn
Bracket / Plating	Fe/E-Zn	Fe/E-Zn
Ambient Temperature	- 40 / + 80 °C	- 40 / + 80 °C

Product Details

The ELO Speed Sensitive Relay produces a (+) output with a signal of 50 Hz and above coming to the 86 terminal, and cuts the output if the signal falls below 45 Hz. The relay is named Speed Sensing Door Locking Relay as the most common usage area of the relay is the automatic locking of the doors of vehicles that reach a certain speed. As the standard product is designed to correspond to 2.5 Hz to 1 km/h, the doors of the vehicle with automatic door locking system will be locked automatically when the vehicle reaches 20km/h. As the speed of the vehicle drops below 18 km/h, the output will be cut allowing doors to be opened at driver's discretion. The values of the relay's activation and deactivation speed can be produced in different values as per customers' request. ELO Speed Sensitive Door Locking Relay can be used in many speed sensitive applications besides automatic door locking.

Notes

All measurements are in millimeters.

