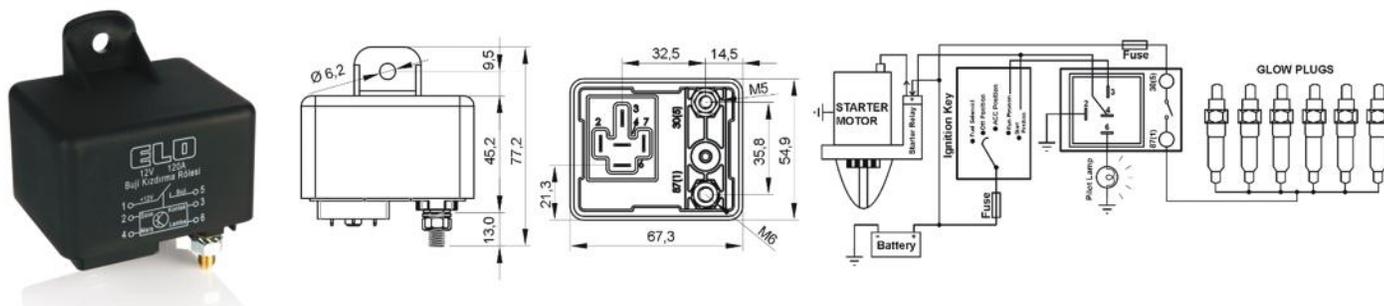


**Glow Plug Relay**

Product Code                      **201.008.001**            - 12V            **Sealed**  
    **201.008.003**            - 24V            **Sealed**

**Terminal Configuration & Dimensions & Diagram**



**Technical Data**

	<b>201.008.001</b>	<b>201.008.003</b>
<b>Nominal Voltage</b>	8-16V	20-30V
<b>Rated Continuous Load</b>	120A	100A
<b>Contact Material</b>	AgNi10 (AgSnO <sub>2</sub> on special request)	AgNi10 (AgSnO <sub>2</sub> on special request)
<b>Operating / Drop Out Voltage</b>	<8,0V / >1,2V	<18,0V / >2,4V
<b>Maximum Coil Voltage</b>	20V (<1min.)	40V (<1min.)
<b>Coil Suppression</b>	Diode	Diode
<b>Operating / Release Time</b>	<10ms / <15ms	<10ms / <15ms
<b>Dielectric Strength</b>	>1000Vdc	>1000Vdc
<b>Maximum Inrush Current</b>	350A	300A
<b>Temperature Sensing Method</b>	NTC	NTC
<b>Pre-heating Duration</b>	1-50s	1-50s
<b>Post-heating Duration</b>	20s	20s
<b>Vibration</b>	20-200Hz,5g:>10µs	20-200Hz,5g:>10µs
<b>Mechanical Shock</b>	>10g, 11ms>10µs	>10g, 11ms>10µs
<b>IP Rating</b>	IP67 DIN IEC60529	IP67 DIN IEC60529
<b>Terminals</b>	2,3,4,6:6,3 x 0,8mm/ 1:M6 Screw/ 5:M5 Screw	2,3,4,6:6,3 x 0,8mm/ 1:M6 Screw/ 5:M5 Screw
<b>Terminals / Plating</b>	2,3,4,6:Fe/E-Sn 1,5:CuZn63/-	2,3,4,6:Fe/E-Sn 1,5:CuZn63/-
<b>Bracket</b>	PA66GF30	PA66GF30
<b>Ambient Temperature</b>	- 40 / + 90 °C	- 40 / + 90 °C

**Product Detail**

Pre & Post Heating Duration															
Ambient Temperature	-20	-15	-10	-5	0	5	10	15	20	25	30	35	40	45+	°C
Phase 1- Pilot lamp switches off in	46	42	39	36	32	29	25	22	18	15	11	8	4	1	Seconds
Phase 2- Post heating completed after ignition in	20	20	20	20	20	20	20	20	20	20	20	20	20	20	Seconds
Total heating duration ± %10	66	62	59	56	52	49	45	42	38	35	31	28	24	21	Seconds

**Notes**

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

**Glow Plug Relay**

<i>Product Code</i>	<b>201.008.001</b>	<b>- 12V</b>	<b>Sealed</b>	<b>(Cont'd)</b>
	<b>201.008.003</b>	<b>- 24V</b>	<b>Sealed</b>	

**Product Details (Cont'd)**

In diesel engines, glow-plugs are used to ignite the air/diesel mixture in cylinders. In order to increase the temperature of the cylinder chamber, especially in cold weather, glow-plugs are used prior to engine starting. A glow-plug may reach up to 1000 °C which ensures the air/diesel mixture explosion. ELO Glow Plug Relay switches current up to 120A which may be used for vehicles with up to 6 cylinders. The built-in microprocessor and temperature sensor measure ambient temperature and determine the pre-heating duration. During pre-heating an indicator lamp is lit on dashboard. Once the pre-heating is complete, the engine should be turned on. Glow-plugs are heated for an additional 20 seconds as postheating. In extremely low temperatures, the pre-heating duration may be as long as 50 seconds. As the ambient temperature and engine temperature increase the process time decrease, which may be as low as 1 second.

**Cross Codes \*****GEBE**

9 91981

**NAGARES**

TPD/5-12

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

**OEM Part Numbers \*\*****FIAT**

4792112

5946920

5990986

7617640

**CITROEN**

92 515 86780

598115

91515869

92515867

91515 86980

5981.16

5981.15

**IVECO**

462703

9462703

**MAGIRUS-DEUTZ**

4792112

**NISSAN**

75800005-1 /2

**PEUGEOT**

5981.11

5981.15

91 515 869 80

92 515 866 80

92 515 867 80

**RENAULT**

770 722 90

**ROVER**

0581CR01

PCR5020

**SEAT**

0581CR01

0581CR1

**TALBOT**

B515867

9251586980

9251586780

9121586980

59811

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