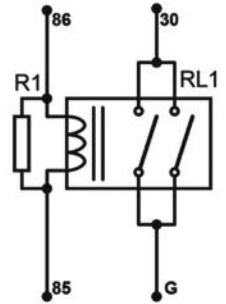
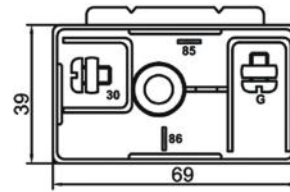
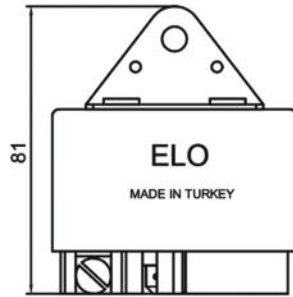


Power Relay

Product Code **201.005.001**

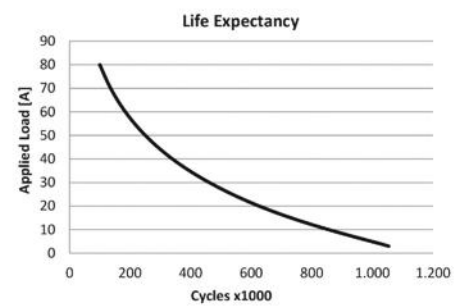
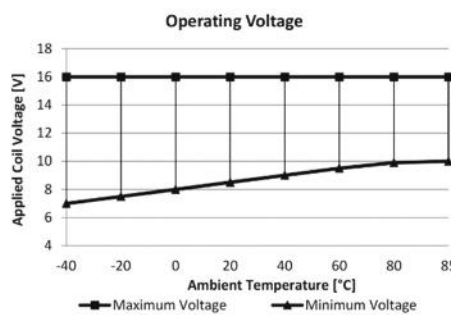
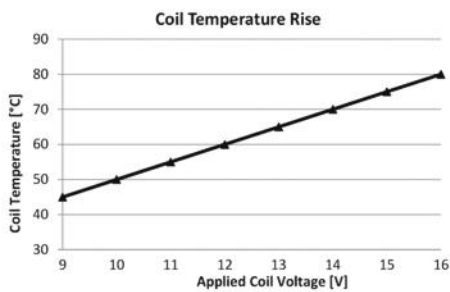
- 12V
- 80A Continuous
- SPST NO / 1 Form A
- 4 Terminals
- w/ Bracket

Terminal Configuration & Dimensions & Diagram



Technical Data

| | | | |
|-------------------------------------|-------------------------------|---|---|
| Nominal Voltage | 12V | Maximum Inrush Current | 300A |
| Rated Continuous Load | 80A | Switching Cycles on Resistive Load | 100.000 |
| Contact Arrangement / Form | 1 Form A / SPST NO | Switching Cycles on Inductive Load (Motor) (Rated load must be deduced by 20%) | 100.000 |
| Contact Material | AgNi10 (AgSnO2 on request) | Switching Cycles on Capacitive Load (Lamp) (Rated load must be deduced by 25%) | 100.000 |
| Operating / Drop Out Voltage | <9,0V / >1,2V | Vibration | 20-200Hz,5g;>10us |
| Maximum Coil Voltage | 20V (<1 min.) | Mechanical Shock | >10g, 11ms>10us |
| Coil Resistance (25°C) | 25Ω | IP Rating | IP54 DIN IEC60529 |
| Coil Suppression | Resistor | Terminals | 30, G : M5 Screw 85, 86: 6,3 x 0,8mm |
| Mechanical Cycles (On / Off) | >1.000.000 | Terminals / Plating | CuZn63/- |
| Operating / Release Time | <10ms / <15ms | Bracket / Plating | Fe/E-Zn |
| Dielectric Strength | >1000Vdc | Ambient Temperature | -40 / +80 °C |



Notes

All measurements are in milimeters.

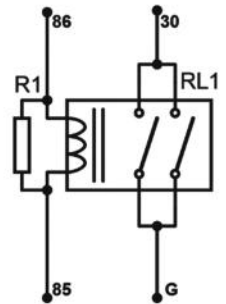
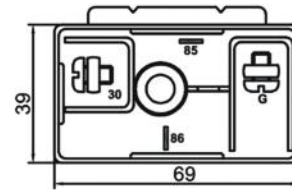
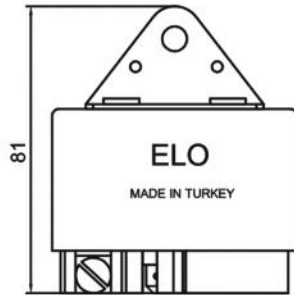


Power Relay

Product Code **201.005.003**

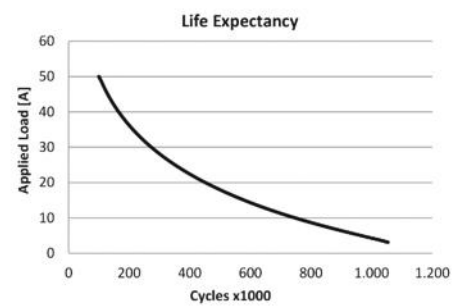
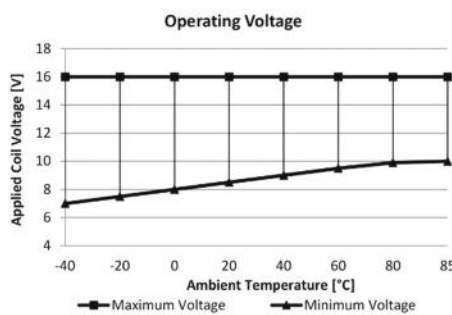
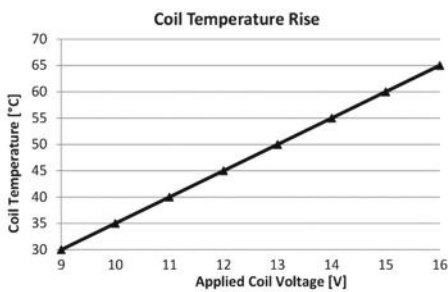
- 12V
- 50A Continuous
- SPST NO / 1 Form A
- 4 Terminals
- w/ Bracket

Terminal Configuration & Dimensions & Diagram



Technical Data

| | | | |
|-------------------------------------|-------------------------------|---|---|
| Nominal Voltage | 12V | Maximum Inrush Current | 270A |
| Rated Continuous Load | 50A | Switching Cycles on Resistive Load | 100.000 |
| Contact Arrangement / Form | 1 Form A / SPST NO | Switching Cycles on Inductive Load (Motor) (Rated load must be deduced by 20%) | 100.000 |
| Contact Material | AgNi10 (AgSnO2 on request) | Switching Cycles on Capacitive Load (Lamp) (Rated load must be deduced by 25%) | 100.000 |
| Operating / Drop Out Voltage | <9,0V / >1,2V | Vibration | 20-200Hz,5g;>10us |
| Maximum Coil Voltage | 20V (<1 min.) | Mechanical Shock | >10g, 11ms>10us |
| Coil Resistance (25°C) | 25Ω | IP Rating | IP54 DIN IEC60529 |
| Coil Suppression | Resistor | Terminals | 30, G : M5 Screw 85, 86: 6,3 x 0,8mm |
| Mechanical Cycles (On / Off) | >1.000.000 | Terminals / Plating | CuZn63/- |
| Operating / Release Time | <10ms / <15ms | Bracket / Plating | Fe/E-Zn |
| Dielectric Strength | >1000Vdc | Ambient Temperature | -40 / +80 °C |



Notes

All measurements are in milimeters.



Power Relay

Product Code

201.005.011

201.005.015 – w/Resistor

• 12V

• 120A Continuous

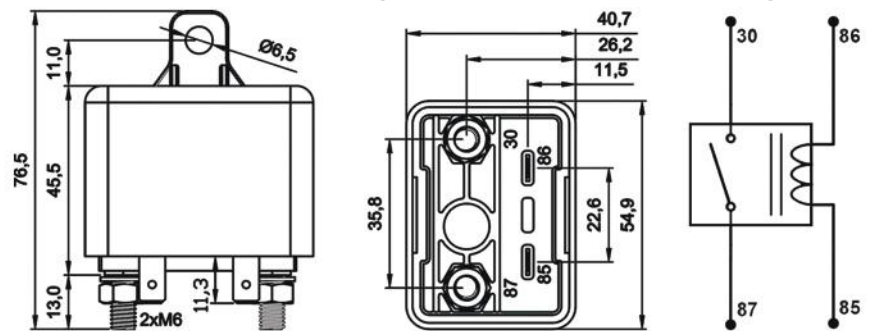
• SPST NO / 1 Form A

• 4 Terminals

• w/ Bracket

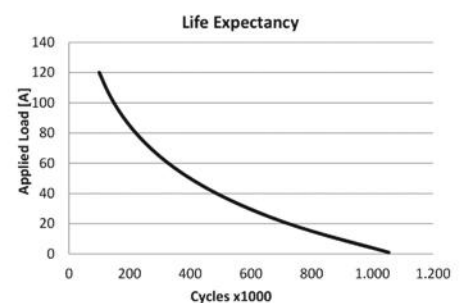
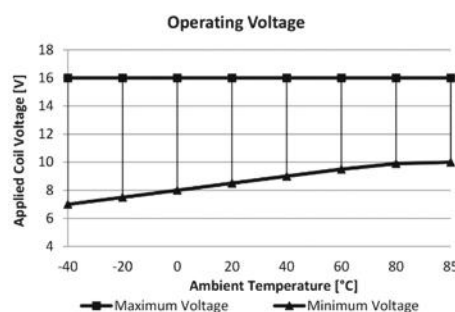
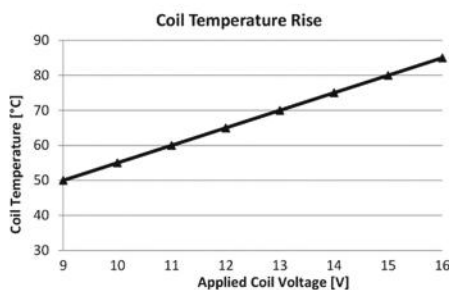


Terminal Configuration & Dimensions & Diagram



Technical Data

| | | | |
|-------------------------------------|---|---|---|
| Nominal Voltage | 12V | Maximum Inrush Current | 350A |
| Rated Continuous Load | 120A | Switching Cycles on Resistive Load | 100.000 |
| Contact Arrangement / Form | 1 Form A / SPST NO | Switching Cycles on Inductive Load (Motor) (Rated load must be deduced by 20%) | 100.000 |
| Contact Material | AgNi10 (AgSnO2 on request) | Switching Cycles on Capacitive Load (Lamp) (Rated load must be deduced by 25%) | 100.000 |
| Operating / Drop Out Voltage | <9,0V / >1,2V | Vibration | 20-200Hz,5g;>10us |
| Maximum Coil Voltage | 20V (<1 min.) | Mechanical Shock | >10g, 11ms>10us |
| Coil Resistance (25°C) | 50Ω (45Ω w/ Resistor) | IP Rating | IP54 DIN IEC60529 |
| Coil Suppression | Standard (w/ Resistor- R 680Ω or w/ Diode on request) | Terminals | 30, 87: M6 Screw 85, 86: 6,3 x 0,8mm |
| Mechanical Cycles (On / Off) | >1.000.000 | Terminals / Plating | 30, 87: CuZn63/- 85, 86: Fe/E-Sn |
| Operating / Release Time | <10ms / <15ms | Bracket | PA66GF30 |
| Dielectric Strength | >1000Vdc | Ambient Temperature | -40 / +80 °C |



Notes

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

Power Relay

| | | |
|---------------------|-----------------------------|---------------------------------|
| <i>Product Code</i> | 201.005.011 (Cont'd) | 201.005.015 – w/Resistor |
| • 12V | • 120A Continuous | • SPST NO / 1 Form A |
| • w/ Bracket | | • 4 Terminals |

Cross Codes *

| | |
|----------------|----------------|
| GEBE | NAGARES |
| 9 9016 1 | RL/180-12 |
| MAHLE | RP/120-12 |
| MR24 72473989 | |
| MR103 72474091 | |
| MR104 72474093 | |

* 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 **

| |
|-----------------|
| FORD |
| 11 0593 6630002 |
| FOTON |
| 11 0593 6630002 |

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



Power Relay

Product Code

201.005.013

201.005.019 - w/Resistor

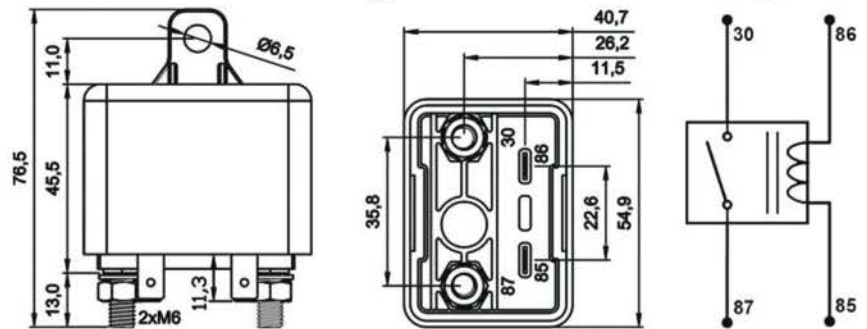
- 12V
- Sealed

- 120A Continuous
- w/ Bracket

- SPST NO / 1 Form A
- 4 Terminals

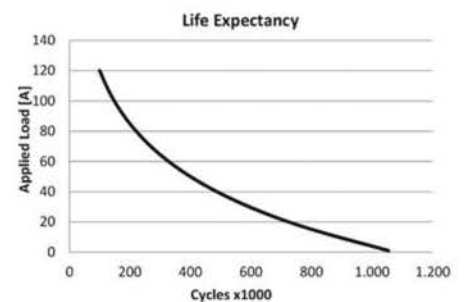
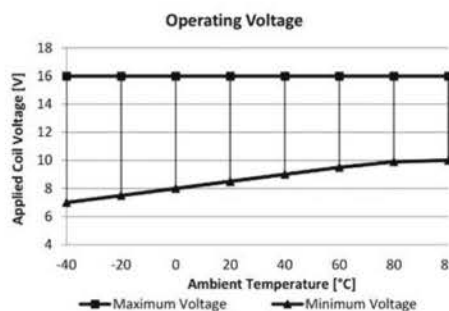
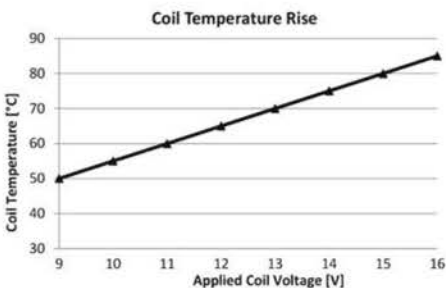


Terminal Configuration & Dimensions & Diagram



Technical Data

| | | | |
|-------------------------------------|---|---|---|
| Nominal Voltage | 12V | Maximum Inrush Current | 350A |
| Rated Continuous Load | 120A | Switching Cycles on Resistive Load | 100.000 |
| Contact Arrangement / Form | 1 Form A / SPST NO | Switching Cycles on Inductive Load (Motor) (Rated load must be deduced by 20%) | 100.000 |
| Contact Material | AgNi10 (AgSnO2 on request) | Switching Cycles on Capacitive Load (Lamp) (Rated load must be deduced by 25%) | 100.000 |
| Operating / Drop Out Voltage | <9,0V / >1,2V | Vibration | 20-200Hz,5g;>10us |
| Maximum Coil Voltage | 20V (<1 min.) | Mechanical Shock | >10g, 11ms>10us |
| Coil Resistance (25°C) | 50Ω (45Ω w/ Resistor) | IP Rating | IP67 DIN IEC60529 |
| Coil Suppression | Standard (w/ Resistor- R 680Ω or w/ Diode on request) | Terminals | 30, 87: M6 Screw 85, 86: 6,3 x 0,8mm |
| Mechanical Cycles (On / Off) | >1.000.000 | Terminals / Plating | 30, 87: CuZn63/- 85, 86: Fe/E-Sn |
| Operating / Release Time | <10ms / <15ms | Bracket | PA66GF30 |
| Dielectric Strength | >1000Vdc | Ambient Temperature | -40 / +80 °C |



Notes

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

Power Relay

Product Code

201.005.013**201.005.019 - w/Resistor (Cont'd)**

• 12V

• 120A Continuous

• SPST NO / 1 Form A

• 4 Terminals

• Sealed

• w/ Bracket

Cross Codes ***GEBE****NAGARES**

9 9016 1

RL/180-12

MAHLE

RP/120-12

MR24 72473989

MR103 72474091

MR104 72474093

* 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****FORD**

11 0593 6630002

FOTON

11 0593 6630002

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