Product Code

• 12V

• w/ Bracket



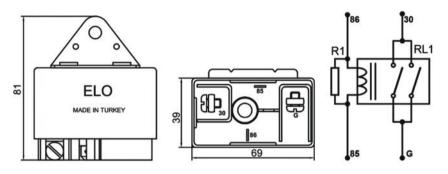
## 201.005.001

80A Continuous

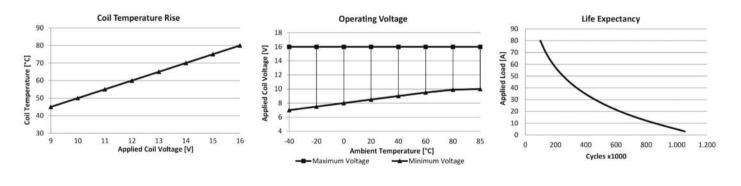
• SPST NO / 1 Form A

• 4 Terminals

# Terminal Configuration & Dimensions & Diagram



	Те	chnical 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.

Product Code

• 12V

• w/ Bracket



# 201.005.003

• 50A Continuous

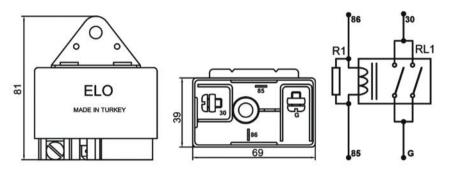
• SPST NO / 1 Form A

• 4 Terminals

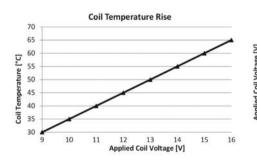
1.000

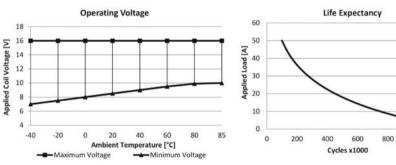
1.200

# 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.

Product Code

• 12V

• w/ Bracket



#### 201.005.011

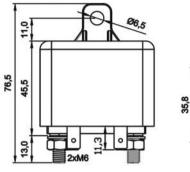
120A Continuous

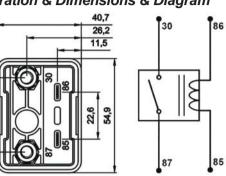
201.005.015 – w/Resistor

• SPST NO / 1 Form A

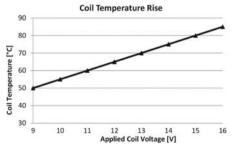
• 4 Terminals

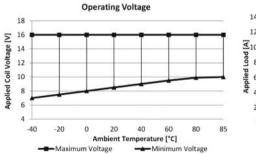
# Terminal Configuration & Dimensions & Diagram

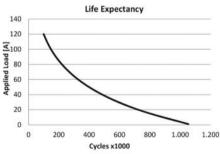




Technical Data			
Nominal Voltage	12V	Maximum Inrush Current	350A
Rated Continuous Load	120A	Switching Cycles on Resistive Load	100.000
Contact Arrangement / Form	1 Form A / SPST NO	Switching Cycles on Inductive Load (Motor) (Rated load must be deduced by 20%)	100.000
Contact Material	AgNi10 (AgSnO2 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)	$50\Omega (45\Omega \text{ w/ Resistor})$	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 milimeters.

Product Code	201.005.011	(Cont'd)	201.005.015 – w/Re	esistor
• 12V	• 120A Continu	ous	• SPST NO / 1 Form A	• 4 Terminals
• 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 a	accordance with nominal voltage, rated o	continuous load, terminal la	yout and markings. Other technical information may	vary.
<b>OEM Part Numbers**</b>				
FORD				

11 0593 6630002 **FOTON** 11 0593 6630002

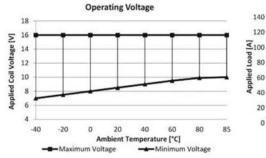
\*\* OEM part numbers listed are compiled from the information provided by the Original Equipment Manufacturers, open and restricted access third party sources.



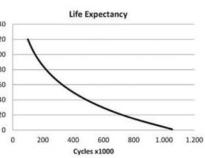
#### 201.005.019 - w/Resistor Product Code 201.005.013 · 12V 120A Continuous SPST NO / 1 Form A 4 Terminals Sealed w/ Bracket **Terminal Configuration & Dimensions & Diagram** 40,7 30 86 26,2 Ø6,5 11,0 11,5 0 76,5 45,5 35.8 54,9 22,6 e 0 3.0 85 87 **Technical Data** 12V 350A Nominal Voltage Maximum Inrush Current Rated Continuous Load 120A Switching Cycles on Resistive Load 100.000 Switching Cycles on Inductive Load (Motor) Contact Arrangement / Form 1 Form A / SPST NO 100.000 (Rated load must be deduced by 20%) AgNi10 Switching Cycles on Capacitive Load (Lamp) 100.000 **Contact Material** (AgSnO2 on request) (Rated load must be deduced by 25%) **Operating / Drop Out Voltage** <9,0V / >1,2V Vibration 20-200Hz,5g:>10us Maximum Coil Voltage 20V (<1 min.) Mechanical Shock >10g, 11ms>10us 50Ω (45Ω w/ Resistor) IP67 DIN IEC60529 Coil Resistance (25°C) **IP** Rating Standard (w/ Resistor-30, 87: M6 Screw **Coil Suppression** R 6800 or w/ Diode on Terminals 85, 86: 6,3 x 0,8mm request) 30, 87: CuZn63/-Mechanical Cycles (On / Off) >1.000.000 Terminals / Plating 85, 86: Fe/E-Sn **Operating / Release Time** <10ms / <15ms PA66GF30 Bracket

**Coil Temperature Rise** 90 80 [.c] 70 **Coll Temperature** 60 50 40 30 q 10 11 12 13 14 Applied Coil Voltage [V] 15 16

**Dielectric Strength** 



Ambient Temperature



-40 / +80 °C

#### Notes

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

>1000Vdc

Product Code	201.005.013	201.005.019 - w/ł	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 actordance with nominal voltage, rated continuous load, terminal layout and markings. Other technical information may vary.         OEM Part Numbers**	01033 00000	
MAHLE       RP/120-12         MR24 72473989	GEBE	NAGARES
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.	9 9016 1	RL/180-12
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.	MAHLE	RP/120-12
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.	MR24 72473989	
* 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.	MR103 72474091	
	MR104 72474093	
OEM Part Numbers**	* The products on the cross coo	les list are in accordance with nominal voltage, rated continuous load, terminal layout and markings. Other technical information may vary.
	<b>OEM Part Num</b>	bers**

## 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.