

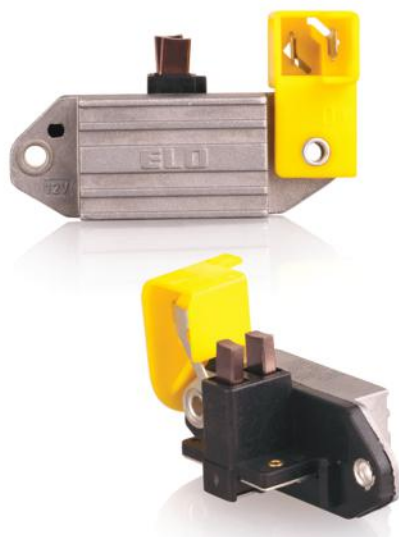
Regulator - Type C

Product Code 202.053.001

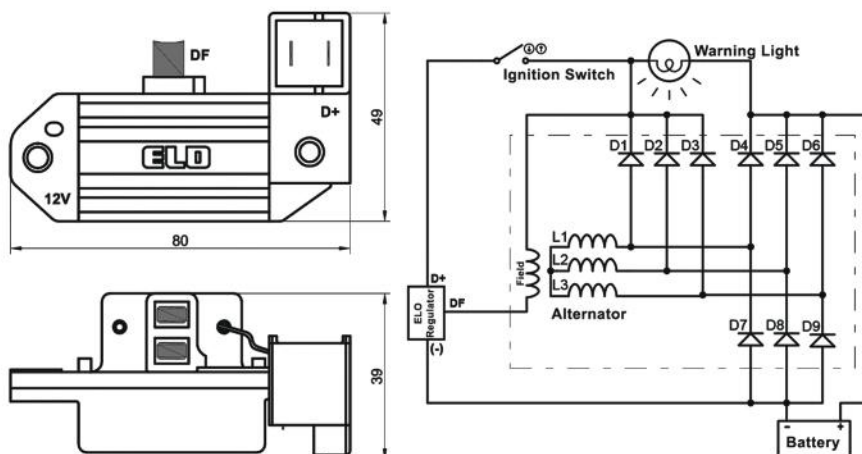
• 12V

• 3 Terminals

• w/ Carbon Brushes



Terminal Configuration & Dimensions & Diagram



Technical Data

Nominal Voltage	12V	Mechanical Shock	>10g, 11ms>10us
Voltage Set Point	13,8V	IP Rating	IP67 DIN IEC60529
Quick Connect Terminals (6,3x0,8)	2 x D+	Duty Cycle Range 0-100%	Yes
Other Terminals	- (31) On Body	Low Std-by Power	Yes
High/Low Side Regulation	Low Side Regulation	Temperature Compensation	Yes
Mounted on the Alternator	Yes - With Carbon Brushes	Transient Overvoltage Protection	Yes
Operating Voltage Range	6-18V	Ambient Temperature	-40 / +90 °C
Vibration	20-200Hz,5g:>10us	Weight	69 g

Product Details

ELO Electronic Regulator, which is being produced with latest technology, has thermal compensation. By automatically adjusting its charging voltage according to the ambient temperature, it does not allow the battery water to boil or decrease. In contrast to other regulator models, in ELO Type-C Regulators the positive energy (+) is transmitted directly to the field coil of the alternator. At the same time, the power transistor at the output of the regulator transmits the negative (-) supply to the other terminal of the field coil, at the most appropriate frequency according to the current conditions. The inside electronics is protected by a watertight sealing and it is resistant to vibration and other environmental effects. The high voltage diode parallel to the field coil prevents the voltage peaks in the field coil, which may occur from time to time.

Cross Codes *

AS-PL	DELCO REMY	HELLA	LAUBER	MOBILTRON	STELLOX
ARE4003	19025154	5DR 004 241-791	CQ1010006	VR-F119	06-71616-SX
BERU	ERA	HITACHI	MESSMER	POWER MAX	WAI
GER018	215775	130790	215775	81116392	IX110
CASCO	HC-CARGO	2500790	METZGER	SASIC	WILMINK GROUP
CRE30100AS	131283	HERTH+BUSS	2390044	9126040	WG1486009
CRE30100GS		35005006			WG1775912

* The products on the cross codes list are in accordance with nominal voltage, voltage set point, quick connect terminals' layout and markings. Other technical information may vary.

Notes

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

Regulator - Type CProduct Code **202.053.001 (Cont'd)**

• 12V

• 3 Terminals

• w/ Carbon Brushes

OEM Part Numbers****ALFA ROMEO**

83600151

9939826

9941193

FAW JIEFANG

VRF119

FIAT

46231650

46231657

46231658

46231659

46231660

46231691

46431710

46445094

46445100

46445102

46445103

46446292

83600151

9939826

9941191

9941193

FERRARI

9939826

9941191

9941193

IVECO

9939826

9941191

LANCIA

83600151

9939826

9941193

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

Regulator - Type C

Product Code 202.053.002

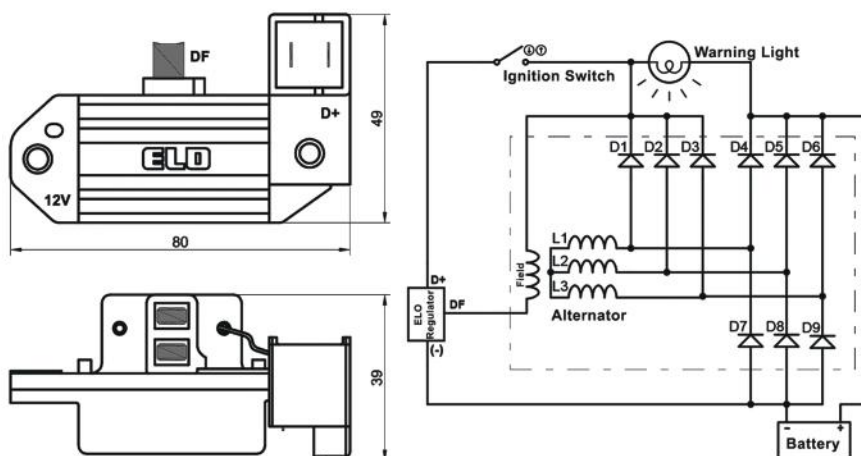
• 12V

• 3 Terminals

• w/ Carbon Brushes



Terminal Configuration & Dimensions & Diagram



Technical Data

Nominal Voltage	12V	Mechanical Shock	>10g, 11ms>10us
Voltage Set Point	14,3V	IP Rating	IP67 DIN IEC60529
Quick Connect Terminals (6,3x0,8)	2 x D+	Duty Cycle Range 0-100%	Yes
Other Terminals	- (31) On Body	Low Std-by Power	Yes
High/Low Side Regulation	Low Side Regulation	Temperature Compensation	Yes
Mounted on the Alternator	Yes - With Carbon Brushes	Transient Overvoltage Protection	Yes
Operating Voltage Range	6-18V	Ambient Temperature	-40 / +90 °C
Vibration	20-200Hz,5g:>10us	Weight	69 g

Product Details

ELO Electronic Regulator, which is being produced with latest technology, has thermal compensation. By automatically adjusting its charging voltage according to the ambient temperature, it does not allow the battery water to boil or decrease. In contrast to other regulator models, in ELO Type-C Regulators the positive energy (+) is transmitted directly to the field coil of the alternator. At the same time, the power transistor at the output of the regulator transmits the negative (-) supply to the other terminal of the field coil, at the most appropriate frequency according to the current conditions. The inside electronics is protected by a watertight sealing and it is resistant to vibration and other environmental effects. The high voltage diode parallel to the field coil prevents the voltage peaks in the field coil, which may occur from time to time.

Cross Codes *

AS-PL	DELCO REMY	HELLA	LAUBER	MOBILTRON	STELLOX
ARE4003	19025154	5DR 004 241-791	CQ1010006	VR-F119	06-71616-SX
BERU	ERA	HITACHI	MESSMER	POWER MAX	WAI
GER018	215775	130790	215775	81116392	IX110
CASCO	HC-CARGO	2500790	METZGER	SASIC	WILMINK GROUP
CRE30100AS	131283	HERTH+BUSS	2390044	9126040	WG1486009
CRE30100GS		35005006			WG1775912

* The products on the cross codes list are in accordance with nominal voltage, voltage set point, quick connect terminals' layout and markings. Other technical information may vary.

Notes

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



Regulator - Type CProduct Code **202.053.002 (Cont'd)**

- 12V
- 3 Terminals
- w/ Carbon Brushes

OEM Part Numbers****ALFA ROMEO**

83600151

9939826

9941193

FAW JIEFANG

VRF119

FIAT

46231650

46231657

46231658

46231659

46231660

46231691

46431710

46445094

46445100

46445102

46445103

46446292

83600151

9939826

9941191

9941193

FERRARI

9939826

9941191

9941193

IVECO

9939826

9941191

LANCIA

83600151

9939826

9941193

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

Regulator - Type C

Product Code 202.053.003

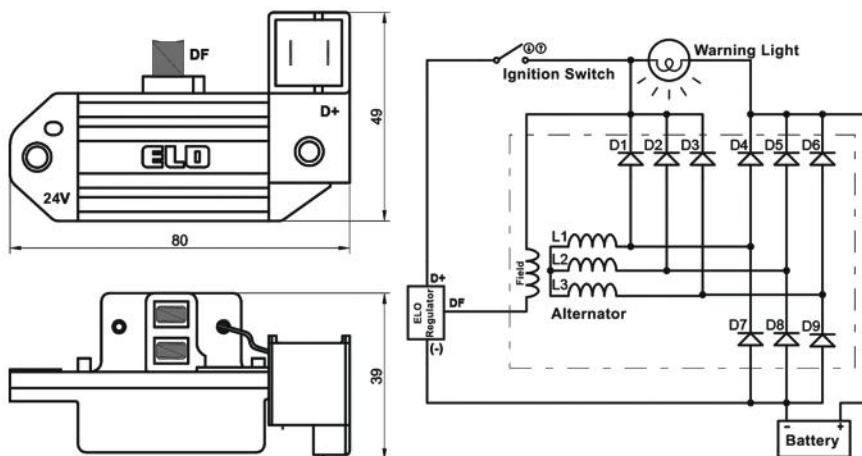
• 24V

• 3 Terminals

• w/ Carbon Brushes



Terminal Configuration & Dimensions & Diagram



Technical Data

Nominal Voltage	24V	Mechanical Shock	>10g, 11ms>10us
Voltage Set Point	28,3V	IP Rating	IP67 DIN IEC60529
Quick Connect Terminals (6,3x0,8)	2 x D+	Duty Cycle Range 0-100%	Yes
Other Terminals	- (31) On Body	Low Std-by Power	Yes
High/Low Side Regulation	Low Side Regulation	Temperature Compensation	Yes
Mounted on the Alternator	Yes - With Carbon Brushes	Transient Overvoltage Protection	Yes
Operating Voltage Range	18-36V	Ambient Temperature	-40 / +90 °C
Vibration	20-200Hz,5g:>10us	Weight	69 g

Product Details

ELO Electronic Regulator, which is being produced with latest technology, has thermal compensation. By automatically adjusting its charging voltage according to the ambient temperature, it does not allow the battery water to boil or decrease. In contrast to other regulator models, in ELO Type-C Regulators the positive energy (+) is transmitted directly to the field coil of the alternator. At the same time, the power transistor at the output of the regulator transmits the negative (-) supply to the other terminal of the field coil, at the most appropriate frequency according to the current conditions. The inside electronics is protected by a watertight sealing and it is resistant to vibration and other environmental effects. The high voltage diode parallel to the field coil prevents the voltage peaks in the field coil, which may occur from time to time.

Cross Codes *

AS-PL	ERA	LAUBER	POWERMAX
ARE4006	215776	CQ1010448	1111474
BERU	HC-CARGO	HELLA	81111474
GER038	131286	5DR 004 246-631	WAI
CASCO	HITACHI	MESSMER	IX111
CRE30600AS	130795	215776	WILMING GROUP
CRE30600GS	2500795	MOBILTRON	WG1486026
		VR-F119B	WG1775913

* The products on the cross codes list are in accordance with nominal voltage, voltage set point, quick connect terminals' layout and markings. Other technical information may vary.

Notes

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



Regulator - Type C

Product Code **202.053.003** *(Cont'd)*

• 24V

• 3 Terminals

• w/ Carbon Brushes

OEM Part Numbers****ALFA ROMEO**

819 0407

FIAT

4808519

4808520

4808521

4808522

4808523

4808524

4808525

4808526

4808528

4814684

4839558

8190407

FERRARI

8190407

LANCIA

8190407

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

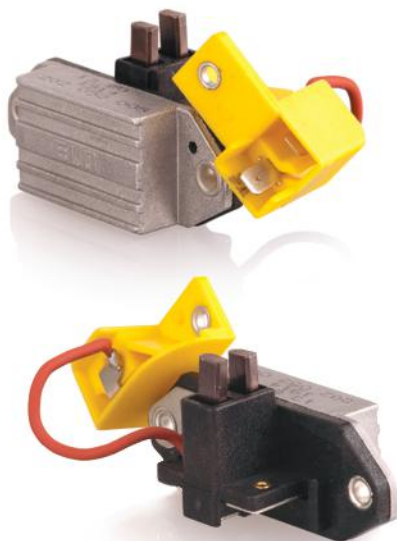
Regulator - Type C w/ Cable

Product Code **202.053.005**

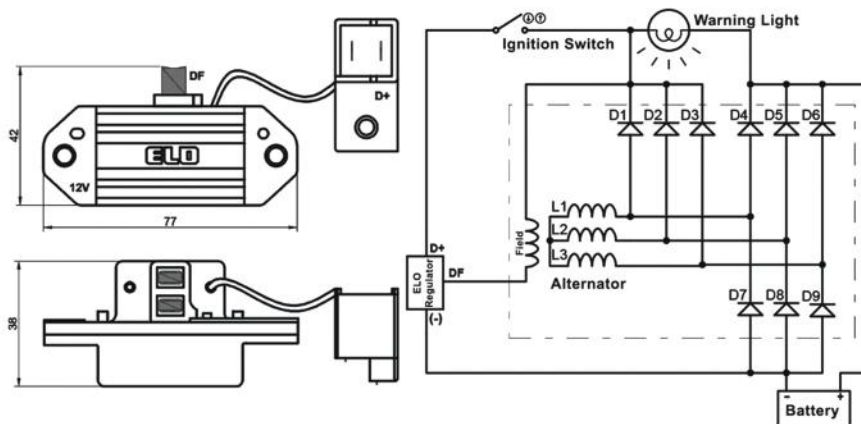
• 12V

• 3 Terminals (2 Terminals on Cable)

• w/ Carbon Brushes



Terminal Configuration & Dimensions & Diagram



Technical Data

Nominal Voltage	12V	Mechanical Shock	>10g, 11ms>10us
Voltage Set Point	14,3V	IP Rating	IP67 DIN IEC60529
Quick Connect Terminals (6,3x0,8)	2 x D+ / On Cable	Duty Cycle Range 0-100%	Yes
Other Terminals	- (31) On Body	Low Std-by Power	Yes
High/Low Side Regulation	Low Side Regulation	Temperature Compensation	Yes
Mounted on the Alternator	Yes - With Carbon Brushes	Transient Overvoltage Protection	Yes
Operating Voltage Range	6-18V	Ambient Temperature	-40 / +90 °C
Vibration	20-200Hz,5g:>10us	Weight	72 g

Product Details

ELO Electronic Regulator, which is being produced with latest technology, has thermal compensation. By automatically adjusting its charging voltage according to the ambient temperature, it does not allow the battery water to boil or decrease. In contrast to other regulator models, in ELO Type-C Regulators the positive energy (+) is transmitted directly to the field coil of the alternator. At the same time, the power transistor at the output of the regulator transmits the negative (-) supply to the other terminal of the field coil, at the most appropriate frequency according to the current conditions. The inside electronics is protected by a watertight sealing and it is resistant to vibration and other environmental effects. The high voltage diode parallel to the field coil prevents the voltage peaks in the field coil, which may occur from time to time.

Notes

All measurements are in millimeters.

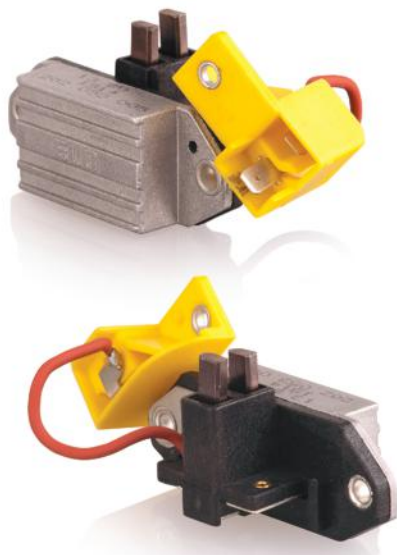
Regulator - Type C w/ Cable

Product Code **202.053.006**

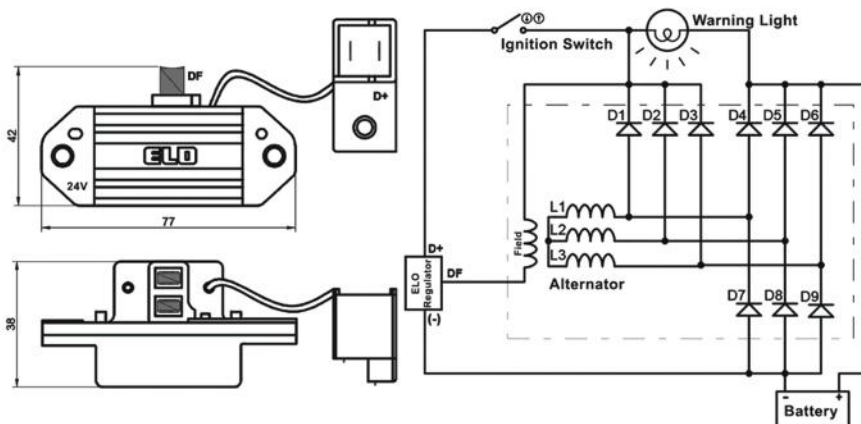
• 24V

• 3 Terminals (2 Terminals on Cable)

• w/ Carbon Brushes



Terminal Configuration & Dimensions & Diagram



Technical Data

Nominal Voltage	24V	Mechanical Shock	>10g, 11ms>10us
Voltage Set Point	28,3V	IP Rating	IP67 DIN IEC60529
Quick Connect Terminals (6,3x0,8)	2 x D+ / On Cable	Duty Cycle Range 0-100%	Yes
Other Terminals	- (31) On Body	Low Std-by Power	Yes
High/Low Side Regulation	Low Side Regulation	Temperature Compensation	Yes
Mounted on the Alternator	Yes - With Carbon Brushes	Transient Overvoltage Protection	Yes
Operating Voltage Range	18-36V	Ambient Temperature	-40 / +90 °C
Vibration	20-200Hz,5g:>10us	Weight	72 g

Product Details

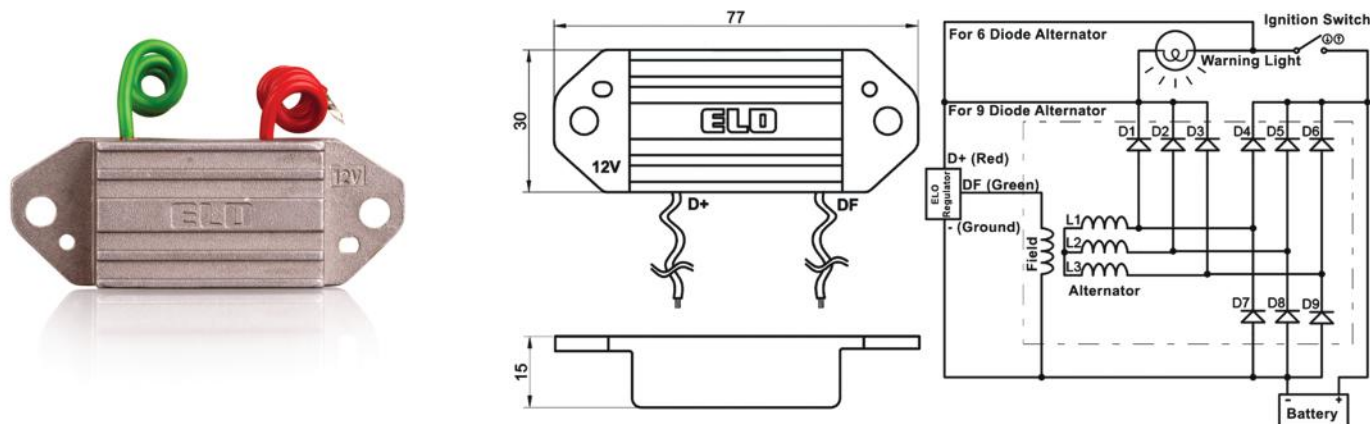
ELO Electronic Regulator, which is being produced with latest technology, has thermal compensation. By automatically adjusting its charging voltage according to the ambient temperature, it does not allow the battery water to boil or decrease. In contrast to other regulator models, in ELO Type-C Regulators the positive energy (+) is transmitted directly to the field coil of the alternator. At the same time, the power transistor at the output of the regulator transmits the negative (-) supply to the other terminal of the field coil, at the most appropriate frequency according to the current conditions. The inside electronics is protected by a watertight sealing and it is resistant to vibration and other environmental effects. The high voltage diode parallel to the field coil prevents the voltage peaks in the field coil, which may occur from time to time.

Notes

All measurements are in millimeters.

Regulator - Type C w/ CableProduct Code **202.053.007**

- 12V
- 3 Terminals (2 Terminals on Cable)

Terminal Configuration & Dimensions & Diagram**Technical Data**

Nominal Voltage	12V	Mechanical Shock	>10g, 11ms>10us
Voltage Set Point	14,3V	IP Rating	IP67 DIN IEC60529
Quick Connect Terminals (6,3x0,8)	-	Duty Cycle Range 0-100%	Yes
Other Terminals	D+ & DF On Cable - (31) On Body	Low Std-by Power	Yes
High/Low Side Regulation	High Side Regulation	Temperature Compensation	Yes
Mounted on the Alternator	No	Transient Overvoltage Protection	Yes
Operating Voltage Range	6-18V	Ambient Temperature	-40 / +90 °C
Vibration	20-200Hz,5g:>10us	Weight	50 g

Product Details

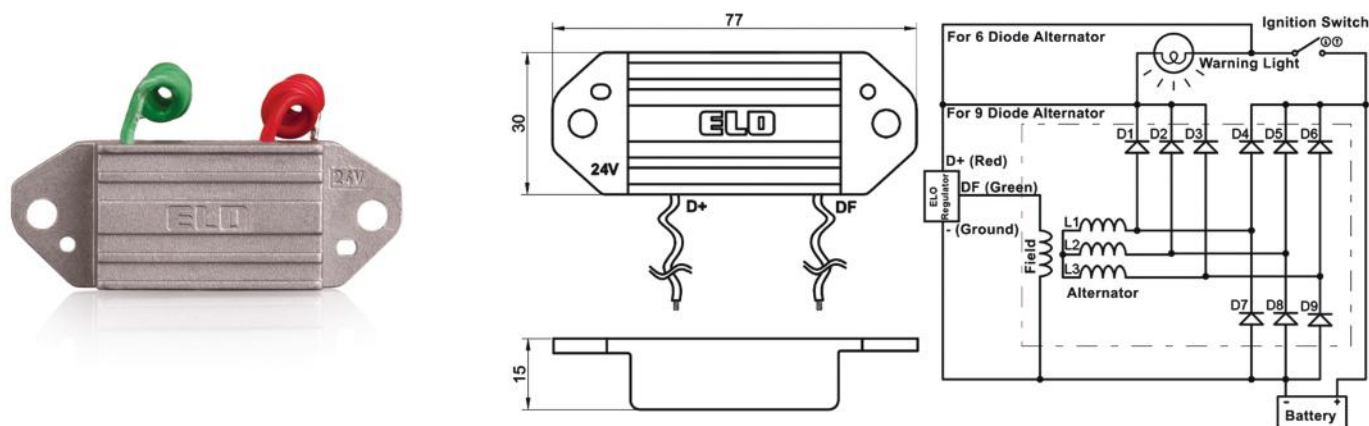
ELO Electronic Regulator, which is being produced with latest technology, has thermal compensation. By automatically adjusting its charging voltage according to the ambient temperature, it does not allow the battery water to boil or decrease. In contrast to other regulator models, in ELO Type-C Regulators the positive energy (+) is transmitted directly to the field coil of the alternator. At the same time, the power transistor at the output of the regulator transmits the negative (-) supply to the other terminal of the field coil, at the most appropriate frequency according to the current conditions. The inside electronics is protected by a watertight sealing and it is resistant to vibration and other environmental effects. The high voltage diode parallel to the field coil prevents the voltage peaks in the field coil, which may occur from time to time.

Notes

All measurements are in millimeters.

Regulator - Type C w/ CableProduct Code **202.053.008**

- 24V
- 3 Terminals (2 Terminals on Cable)

Terminal Configuration & Dimensions & Diagram**Technical Data**

Nominal Voltage	24V	Mechanical Shock	>10g, 11ms>10us
Voltage Set Point	28,3V	IP Rating	IP67 DIN IEC60529
Quick Connect Terminals (6,3x0,8)	-	Duty Cycle Range 0-100%	Yes
Other Terminals	D+ & DF On Cable - (31) On Body	Low Std-by Power	Yes
High/Low Side Regulation	High Side Regulation	Temperature Compensation	Yes
Mounted on the Alternator	No	Transient Overvoltage Protection	Yes
Operating Voltage Range	18-36V	Ambient Temperature	-40 / +90 °C
Vibration	20-200Hz,5g:>10us	Weight	50 g

Product Details

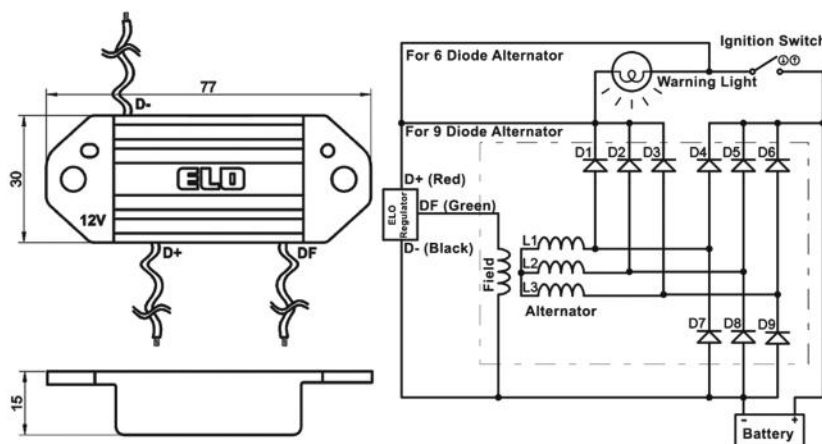
ELO Electronic Regulator, which is being produced with latest technology, has thermal compensation. By automatically adjusting its charging voltage according to the ambient temperature, it does not allow the battery water to boil or decrease. In contrast to other regulator models, in ELO Type-C Regulators the positive energy (+) is transmitted directly to the field coil of the alternator. At the same time, the power transistor at the output of the regulator transmits the negative (-) supply to the other terminal of the field coil, at the most appropriate frequency according to the current conditions. The inside electronics is protected by a watertight sealing and it is resistant to vibration and other environmental effects. The high voltage diode parallel to the field coil prevents the voltage peaks in the field coil, which may occur from time to time.

Notes

All measurements are in millimeters.

Regulator - Type C w/ CableProduct Code **202.053.009**

- 12V
- 3 Terminals on Cable

Terminal Configuration & Dimensions & Diagram**Technical Data**

Nominal Voltage	12V	Mechanical Shock	>10g, 11ms>10us
Voltage Set Point	14,3V	IP Rating	IP67 DIN IEC60529
Quick Connect Terminals (6,3x0,8)	-	Duty Cycle Range 0-100%	Yes
Other Terminals	D-, D+ and DF On Cable	Low Std-by Power	Yes
High/Low Side Regulation	High Side Regulation	Temperature Compensation	Yes
Mounted on the Alternator	No	Transient Overvoltage Protection	Yes
Operating Voltage Range	6-18V	Ambient Temperature	-40 / +90 °C
Vibration	20-200Hz,5g:>10us	Weight	52 g

Product Details

ELO Electronic Regulator, which is being produced with latest technology, has thermal compensation. By automatically adjusting its charging voltage according to the ambient temperature, it does not allow the battery water to boil or decrease. In contrast to other regulator models, in ELO Type-C Regulators the positive energy (+) is transmitted directly to the field coil of the alternator. At the same time, the power transistor at the output of the regulator transmits the negative (-) supply to the other terminal of the field coil, at the most appropriate frequency according to the current conditions. The inside electronics is protected by a watertight sealing and it is resistant to vibration and other environmental effects. The high voltage diode parallel to the field coil prevents the voltage peaks in the field coil, which may occur from time to time.

Notes

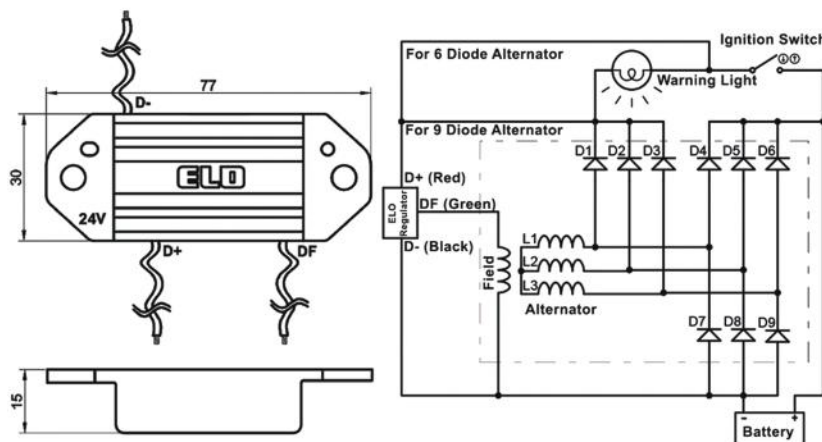
All measurements are in millimeters.

Regulator - Type C w/ Cable

Product Code 202.053.010

- 24V
- 3 Terminals on Cable

Terminal Configuration & Dimensions & Diagram



Technical Data

Nominal Voltage	24V	Mechanical Shock	>10g, 11ms>10us
Voltage Set Point	28,3V	IP Rating	IP67 DIN IEC60529
Quick Connect Terminals (6,3x0,8)	-	Duty Cycle Range 0-100%	Yes
Other Terminals	D-, D+ and DF On Cable	Low Std-by Power	Yes
High/Low Side Regulation	High Side Regulation	Temperature Compensation	Yes
Mounted on the Alternator	No	Transient Overvoltage Protection	Yes
Operating Voltage Range	18-36V	Ambient Temperature	-40 / +90 °C
Vibration	20-200Hz,5g:>10us	Weight	52 g

Product Details

ELO Electronic Regulator, which is being produced with latest technology, has thermal compensation. By automatically adjusting its charging voltage according to the ambient temperature, it does not allow the battery water to boil or decrease. In contrast to other regulator models, in ELO Type-C Regulators the positive energy (+) is transmitted directly to the field coil of the alternator. At the same time, the power transistor at the output of the regulator transmits the negative (-) supply to the other terminal of the field coil, at the most appropriate frequency according to the current conditions. The inside electronics is protected by a watertight sealing and it is resistant to vibration and other environmental effects. The high voltage diode parallel to the field coil prevents the voltage peaks in the field coil, which may occur from time to time.

Notes

All measurements are in millimeters.