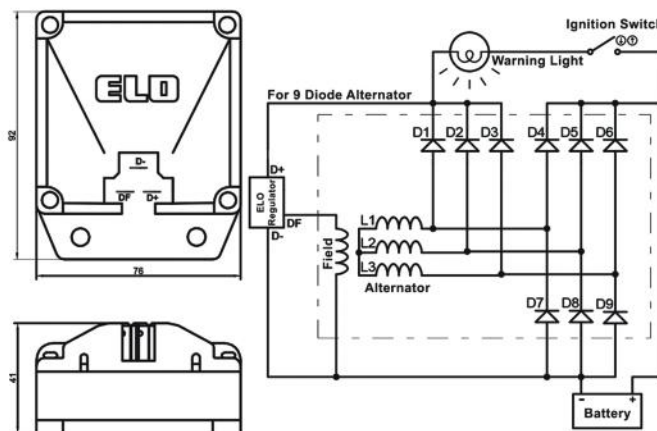


**Regulator - Bosch Compatible**Product Code **202.054.001**•24V **• 3 Terminals****Terminal Configuration & Dimensions & Diagram****Technical Data**

<b>Nominal Voltage</b>	24V	<b>Mechanical Shock</b>	>10g, 11ms>10us
<b>Voltage Set Point</b>	28,3V	<b>IP Rating</b>	IP67 DIN IEC60529
<b>Quick Connect Terminals (6,3x0,8)</b>	D - , D + , DF	<b>Duty Cycle Range 0-100%</b>	Yes
<b>Other Terminals</b>	-	<b>Low Std-by Power</b>	Yes
<b>High/Low Side Regulation</b>	High Regulation	<b>Temperature Compensation</b>	Yes
<b>Mounted on the Alternator</b>	No	<b>Transient Overvoltage Protection</b>	Yes
<b>Operating Voltage Range</b>	18-36V	<b>Ambient Temperature</b>	-40 / +90 °C
<b>Vibration</b>	20-200Hz,5g:>10us	<b>Weight</b>	270 g

**Product Details**

3 terminal and 4 terminal models of ELO Electronic Regulators for Vehicle Alternators, which are produced with semiconductor technology just like all other ELO Electronic Regulators, have endless life since there is no mechanical movement inside the units. They are extremely resistant to shock and vibration. They can be used under all climatic conditions. They are also moisture resistant.

**Cross Codes \***

<b>BERU</b>	<b>ERA</b>	<b>LAUBER</b>	<b>TRUCKTEC AUTOMOTIVE</b>
GER025	215224	CQ1010132	05.17.003
<b>BOSCH</b>	<b>HC CARGO</b>	<b>MESSMER</b>	<b>WAI</b>
0 192 033 001	130677	215224	IB033
0 192 033 002	<b>HELLA</b>	<b>MOBILETRON</b>	<b>WILMINK</b>
0 192 033 004	5DR 004 243-011	VR-B199-3	WG148606
0 192 033 006	5DR 004 243-031	<b>POWERMAX</b>	WG1775782
<b>CASCO</b>	<b>HITACHI</b>	81116148	
CRE10609AS	130311		

\* 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 - Bosch Compatible**Product Code **202.054.001 (Cont'd)**

•24V

• 3 Terminals

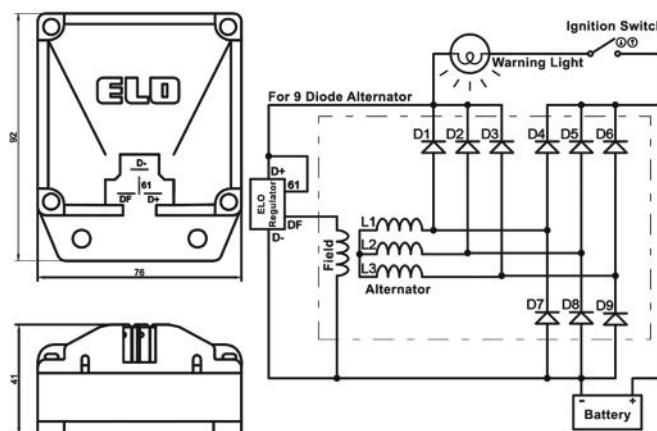
**OEM Part Numbers\*\***

<b>CASE IH</b>	<b>IVECO (Cont'd)</b>	<b>MERCEDES-BENZ</b>
E087947 C	4779 76	001 154 70 06
<b>DAF</b>	4779 79	001 154 81 06
102 746	0116 1178	001 154 91 06
241630	0144 440747	002 154 05 06
249 264	0 240 4414	002 154 4806
<b>DEUTZ-FAHR</b>	B25N 92117J	AQ74 230 13 00 0
011 4440747	N921 17TI	<b>MWM</b>
116 1178	S1H7 615	0 1186 97 9 002
121 53804	<b>KASSBOHRER</b>	11846770001
240 4414	7 423 013 000	11869790002
292 1682	7 423 014 000	305711100002
B25 N92117J	<b>KHD</b>	605711120002
N92 117TI	114440747	9 0571 11 11 0013
S1H 7615	1161178	<b>POCLAIN</b>
<b>EVOBUS</b>	12153804	F0041589
11547006	2404414	J0041523
1548106	2921682	<b>PUCH</b>
11549406	B25N92117J	7101090090
21540506	N92117TI	<b>RENAULT</b>
21544806	S1H7615	77 01008 802
<b>FERRARI</b>	<b>LANCIA</b>	<b>SCANIA</b>
477 973	477973	225 662
477 976	477976	<b>SNVI</b>
477 979	477979	26563107
822 4331 2	82243312	<b>STEYR</b>
822 9411 0	82294110	6 100 90 021
<b>FIAT</b>	<b>LIEBHERR</b>	7 101 09 009 0
477973	6 000 094	7 121 09 009 0
477976	6 912 707	<b>VOLVO</b>
477979	<b>MAN</b>	1 578 141
82243312	30 53501 0001	102 746
82294110	51 25601 7041	241630
<b>FORD</b>	51 25601 7029	249264
11 635 831	51 25601 7036	870864
<b>HENSCHEL</b>	81 25601 6007	
774935167	81 25601 0008	
922716	81 25601 0014	
<b>HANOMAG</b>	51 25601 7046	
2945680M1	<b>MASSEY-FERGUSON</b>	
774935167	2 945 680 M1	
<b>IVECO</b>		
0 240 4405		
4779 73		

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

**Regulator - Bosch Compatible**Product Code **202.054.002**

• 24V • 4 Terminals

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

<b>Nominal Voltage</b>	24V	<b>Mechanical Shock</b>	>10g, 11ms>10us
<b>Voltage Set Point</b>	28,3V	<b>IP Rating</b>	IP67 DIN IEC60529
<b>Quick Connect Terminals (6,3x0,8)</b>	D - , D + , DF , 61	<b>Duty Cycle Range 0-100%</b>	Yes
<b>Other Terminals</b>	-	<b>Low Std-by Power</b>	Yes
<b>High/Low Side Regulation</b>	High Regulation	<b>Temperature Compensation</b>	Yes
<b>Mounted on the Alternator</b>	No	<b>Transient Overvoltage Protection</b>	Yes
<b>Operating Voltage Range</b>	18-36V	<b>Ambient Temperature</b>	-40 / +90 °C
<b>Vibration</b>	20-200Hz,5g:>10us	<b>Weight</b>	270 g

**Product Details**

3 terminal and 4 terminal models of ELO Electronic Regulators for Vehicle Alternators, which are produced with semiconductor technology just like all other ELO Electronic Regulators, have endless life since there is no mechanical movement inside the units. They are extremely resistant to shock and vibration. They can be used under all climatic conditions. They are also moisture resistant.

**Cross Codes \***

<b>BERU</b>	<b>ERA</b>	<b>HITACHI</b>	<b>POWERMAX</b>
GER026	215918	130312	81115990
<b>BOSCH</b>	<b>HC CARGO</b>	<b>LAUBER</b>	<b>WAI</b>
0 192 033 003	130678	CQ1010197	IB034
0 192 033 005	<b>HELLA</b>	<b>MESSMER</b>	<b>WILMINK</b>
<b>CASCO</b>	5DR 004 243-021	215918	WG1486017
CRE10610AS	<b>HERTH+BUSS</b>	<b>MOBILETRON</b>	WG1775947
	35003011	VR-B199-4	

\* 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 - Bosch Compatible**Product Code **202.054.002 (Cont'd)**

•24V

• 4 Terminals

**OEM Part Numbers\*\***

<b>CASE IH</b>	<b>KASSBOHRER</b>	<b>PUCH</b>
L 076368	7.426.008.000	710 2 09 009 0
<b>CUMMINS</b>	7.423.016.000	<b>RENAULT</b>
0 300 586	7 102 090 090	00 26 563 108
3350977	<b>KHD</b>	24 41 001 057
<b>DAF</b>	S 4 H7615	50 00 088 784
478 5003	1162829	77 01 012 214
<b>DEUTZ-FAHR</b>	2404417	77 01 015 670
0 116 2829	8122110	<b>SAVIEM</b>
240 4417	116 2829	5000 088 784
8122110	240 4417	7701 012 214
S4H7615	812 2110	7701 015
<b>EVOBUS</b>	<b>LANCIA</b>	<b>SCANIA</b>
11548806	823 01 179	223 290
21540206	8122110	<b>SNVI</b>
350547702	8963070	00 26 563 108
3505477102	4205243	<b>STEYR</b>
7102090090	8320083	6.100.00.900.54
<b>FAUN</b>	83200836	<b>VOLVO</b>
1713-071	8321797	241 630
<b>FERRARI</b>	<b>LIEBHERR</b>	4 785 003
420 5243	620 15 58	3 301 765
812 2110	691 27 01	3 304 042
823 0117 9	<b>MAGIRUS-DEUTZ</b>	
832 0083	1162829	
8320083 6	2404417	
832 1797	8122110	
896 3070	54H7615	
<b>FIAT</b>	<b>MAN</b>	
8122110	81256010010	
82301179	81256010011	
8321797	90801101322	
8963070	<b>MASSEY-FERGUSON</b>	
4205243	2868511M91	
8320083	<b>MERCEDES-BENZ</b>	
83200836	001 154 88 06	
<b>IVECO</b>	002 154 02 06	
0116 2829	350 547 71 02	
0240 4417	350 547 70 02	
8122110	710 209 00 90	
8321 797	<b>MWM</b>	
8963070	6 0525 11 0 0007	
S4H7 615	6 0571 11 2 0003	
	<b>POCLAIN</b>	
	J 004 1594	
	L0041594	

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