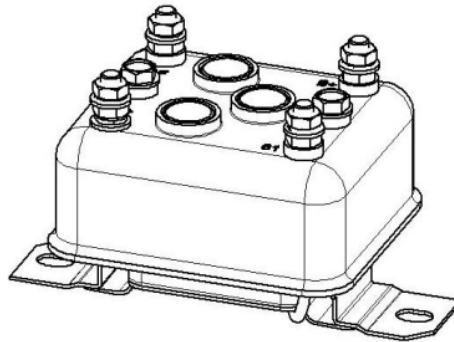


PRODUCT DATA SHEET**IB9028****Figure 1**

REVISIONS				
REV	ECO #	DESCRIPTION	DATE	APPVD
0		Initial Release (JZ 2011/09/02)	2011/09/29	GM

	ORIGINATOR	MECHANICAL ENGINEER	ELECTRICAL ENGINEER	MARKETING	APPROVED ENGINEERING
NAME	JZ				
DATE	2011/09/02				

BOSCH REPLACEMENT REGULATOR

The IB9028 is a rectifier regulator. It can maintain the proper output of the generator while the load changes and the speed varies.

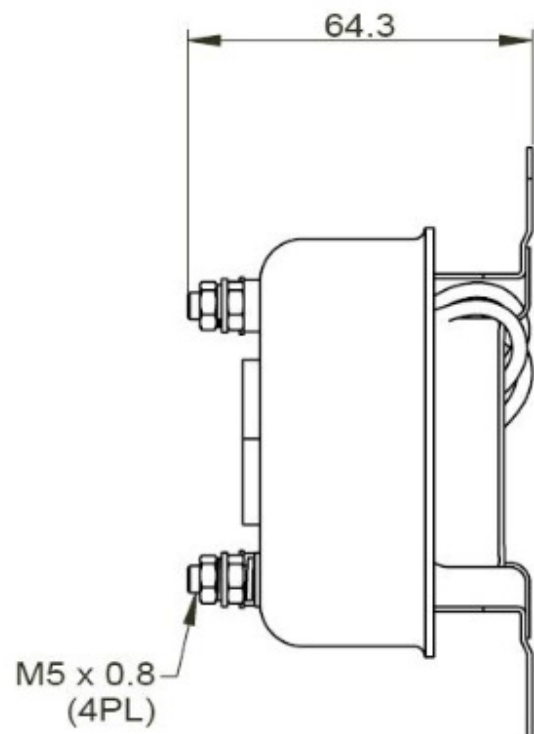
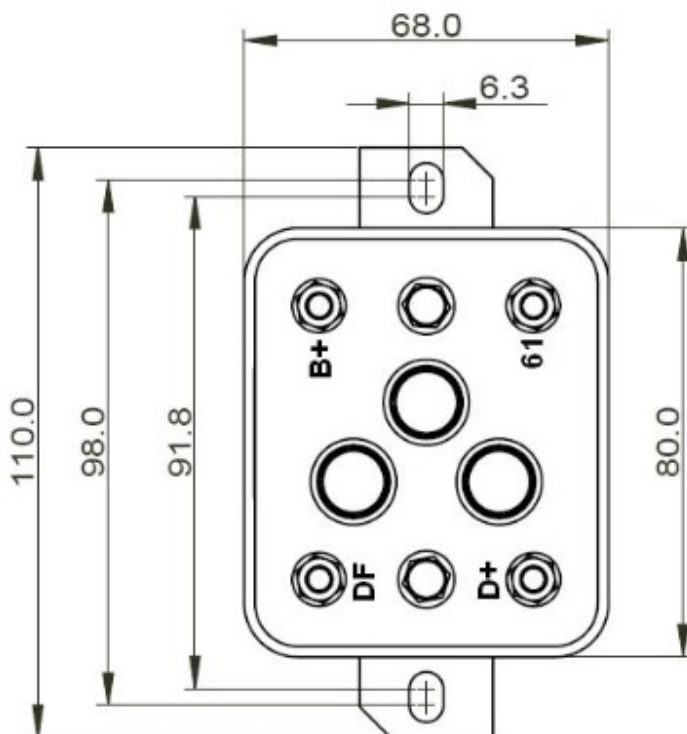
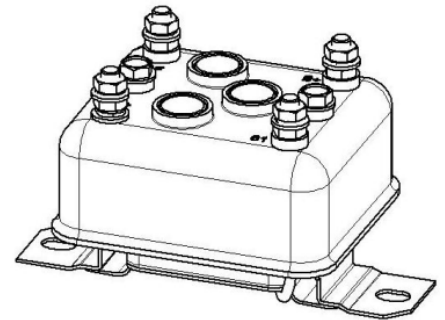
KEY FEATURES

- "A" circuit, Low side drive regulator.
- The regulator features 3-25 ampere press-fit diodes.
- Voltage Set point is 14.3V.
- The Field rating is 5 Amps.
- Rectifier functions.
- For generator type application.

1.0 MECHANICAL CHARACTERISTICS

IB9028

TRANSPO REGULATOR

**Figure 2**

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2.0 Pinouts

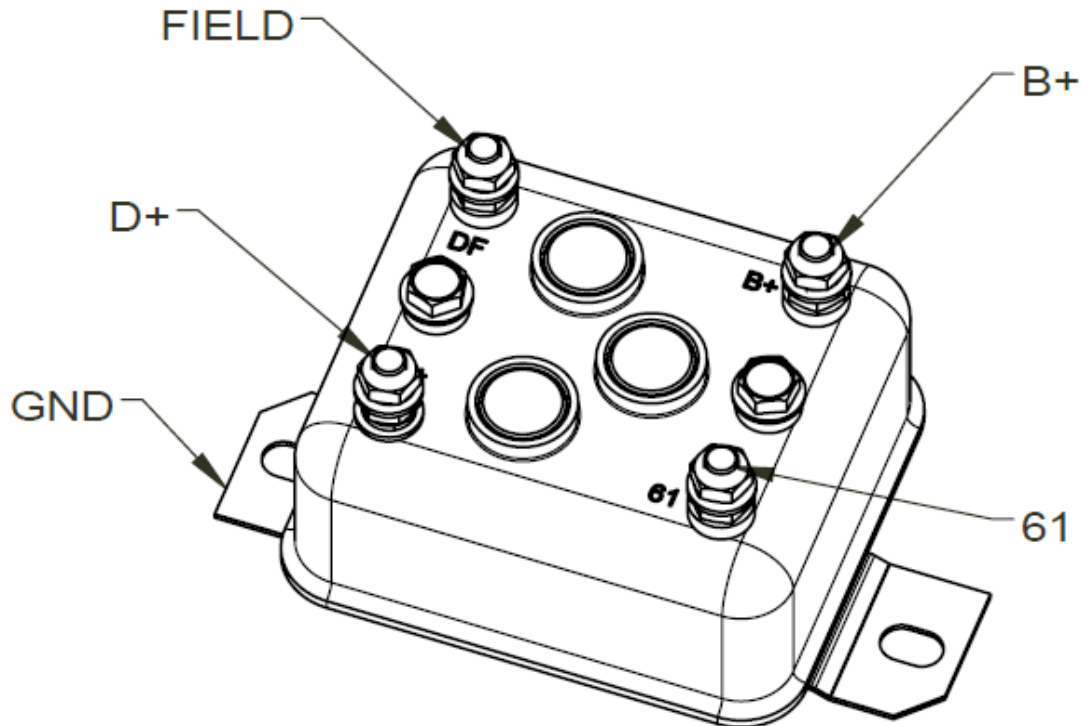


Figure 3

3.0 Summary

PARAMETERS AND CONDITIONS	SYMBOLS	MIN.	TYP.	MAX.	UNITS
Operating Temperature Range	T_{OP}	-40	---	125	°C
Field	I_F	---	5	---	A
Voltage Set Point (4000 RPM with no load)	V_{SET}	14.1	14.3	14.5	V
Regulation vs. Speed (1500 to 4500 RPM with no load)	V_{SPD}	---	-0.01	-0.03	V
Regulation vs. Load (6000 RPM with no load to 90% full load)	V_{LOAD}	---	-0.1	-0.3	V
Saturation Voltage @ 5A, 12Volts	V_{SAT}	---	.5	---	V
Temperature Coefficient	T.C.	---	0	-1	mV/°C

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