PRODUCT DATA SHEET

IB231

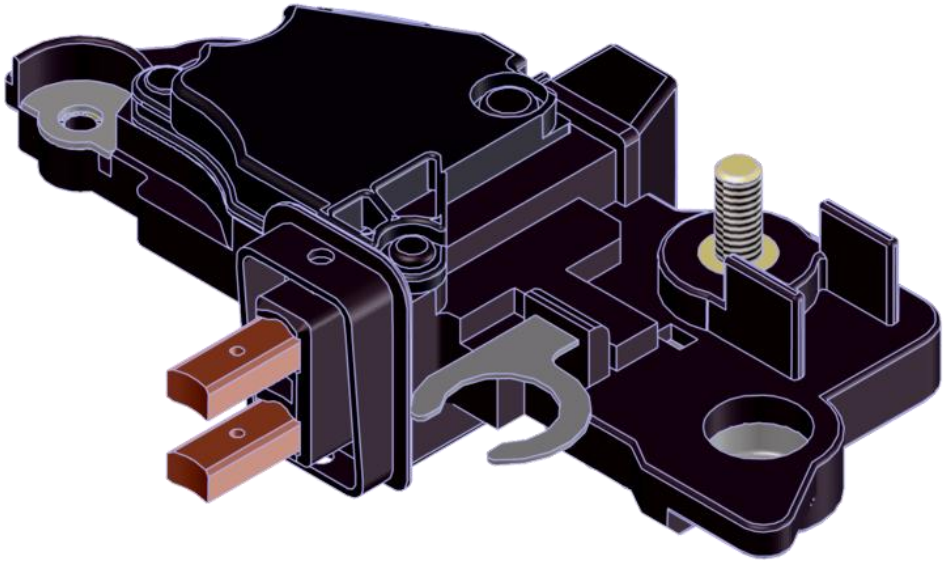


Figure 1:F025840

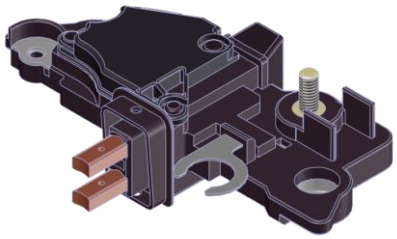
REVISIONS				
REV	ECO #	DESCRIPTION	DATE	APPVD
0	N/A	INITIAL RELEASE (JRB & ECD 11/09/2005)	NTR	12/1/05
A	ESR4811	UDPATED GRAPHICS TO REFLECT MODEL CHANGES (JRB 2/17/06)	02/22/06	NTR

	ORIGINATOR	MECHANICAL ENGINEER	ELECTRICAL ENGINEER	MARKETING	APPROVED ENGINEERING
NAME	JRB	AHN	MDE	HJ	S PROMEN
DATE	6/29/2005	11/29/05	11/11/05	11/29/05	11/14/05

BOSCH REPLACEMENT REGULATOR

IB231
TRANSPO REGULATOR

The IB231 functions to keep the battery at full charge, by maintaining the proper output of the alternator under changing load conditions and varying speeds.



KEY FEATURES

- "A" circuit, Low side drive regulator.
- Voltage Setpoint is 14.50 Volts.
- 10 Second LRC
- Duty Cycle Modulation
- Factory-installed Brush Holder Assembly

1.0 MECHANICAL CHARACTERISTICS

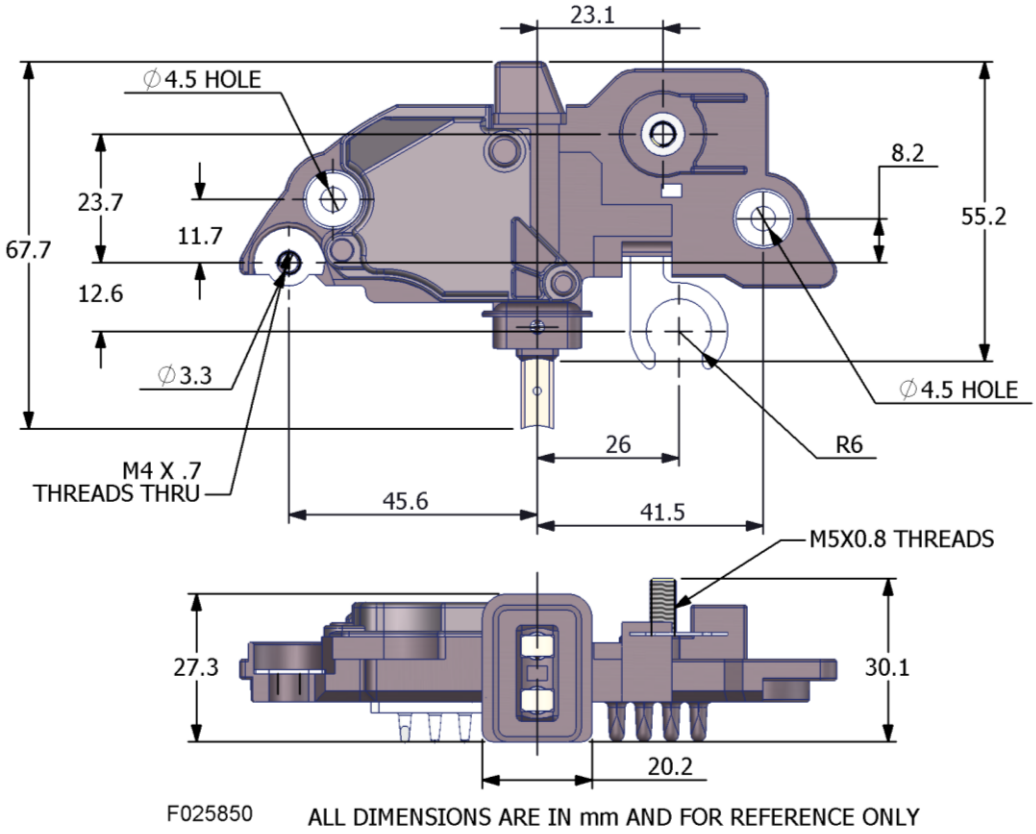


Figure 2

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Engineering Hot Line: 1-800-327-6903 Sales 1-800-327-7792 Fax: 1-407-298-4519

2.0 Pinouts

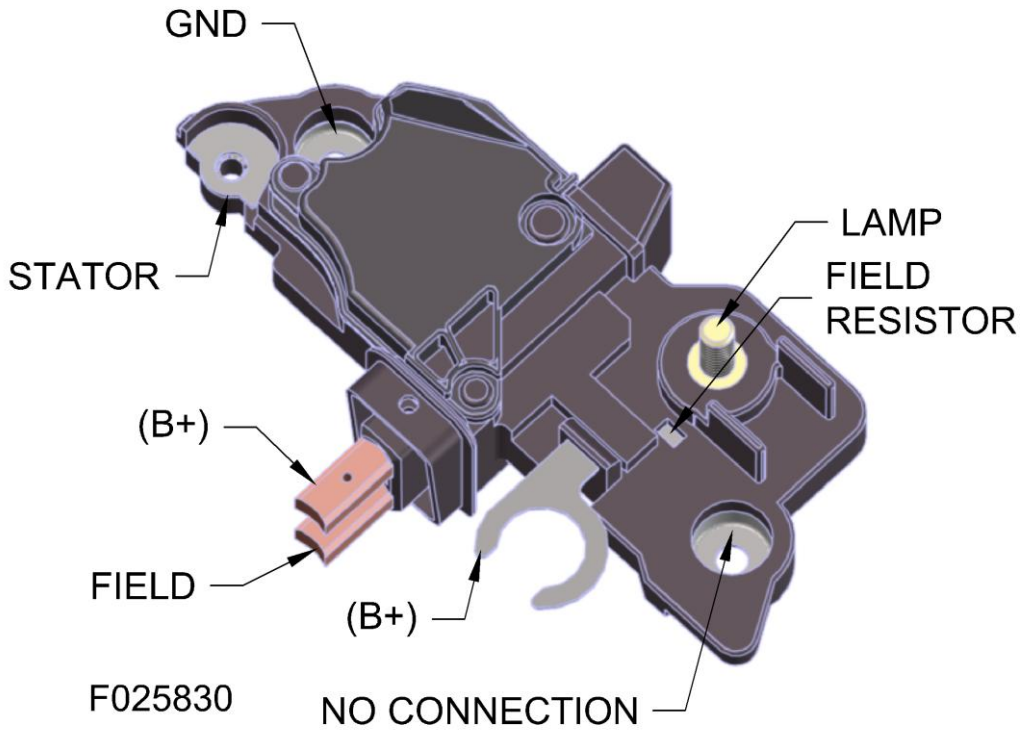

Figure 3

3.0 Summary

PARAMETERS AND CONDITIONS	SYMBOLS	MIN.	TYP.	MAX.	UNITS
Operating Temperature Range	T_{OP}	-40		125	°C
Field	I_F		5		A
Default Voltage Set Point (4000 RPM with no load)	V_{SET}	14.30	14.50	14.70	V
Regulation vs. Speed (1500 to 4500 RPM with no load)	V_{SPD}		.05		V
Regulation vs. Load (6000 RPM with no load to 90% full load)	V_{LOAD}		0.2		V
Saturation Voltage @ 5A, 12Volts	V_{SAT}		.18		V
Standby Current Drain (Key off, V_{BAT} = 12V)	I_D		.7		mA
Temperature Coefficient	T.C.		-10		mV/°C

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