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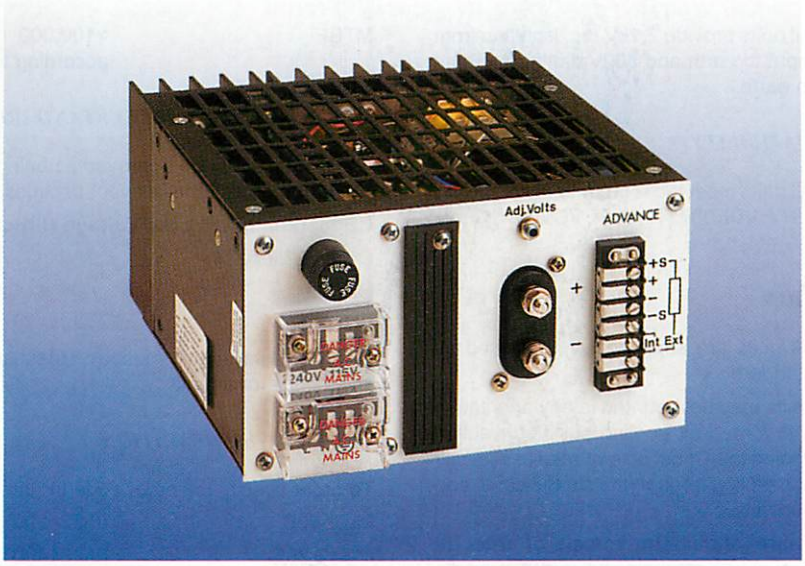
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Find the *Schneider Electric / Gould MG5-60C* at our website: *Click HERE*



LR58666
UL1950
NRTL/C

SUMMARY SPECIFICATION

Model Number	Input Voltage	Nominal Voltage	Adjustment Range	Output Current	Cooling	Dimensions
MG5-40C	92 – 132V a.c. 176 – 264V a.c.	5V	4.75 – 5.25V	0 – 40A	Convection	175 x 160 x 88mm 6.89 x 6.3 x 3.46 in.
MG12-20C		12V	11.4 – 12.6V	0 – 20A	Convection	
MG15-16C		15V	14.25 – 15.75V	0 – 16A	Convection	
MG24-10C		24V	22.8 – 25.2V	0 – 10A	Convection	
MG48-5C		48V	45.6 – 50.4V	0 – 5A	Convection	

INPUT SPECIFICATION

Input Voltage — 92 – 132V a.c. on 115V tap. 176 – 264V a.c. on 230V tap.

Frequency — 45 – 440Hz.

Supply Type — Single phase TN-S systems (as defined in IEC364).

Efficiency — Minimum 75% when loaded to maximum rated output power.

OUTPUT SPECIFICATION

Voltage — Nominal output voltage and adjustment ranges are shown in the summary specification above.

Current — Recommended maximum continuous current ratings (I_{MAX}) are shown in the summary specification above. All maximum current ratings are applicable up to 50°C. From 50°C to 70°C, derate by 2.5%/°C.

Combined Regulation — 0.1% maximum for a worst case combination of 100% load change and a ±10% line change within the rated input voltage range.

Ripple and Noise — 0.2% V_{NOM} r.m.s. maximum, 1% V_{NOM} pk-pk over a 30MHz bandwidth. Measured differentially with the output loaded to I_{MAX}.

PROTECTION

Hold Up — All units have sufficient energy storage to ride through a missing mains cycle when supplying full rated output power at nominal input. At nominal input, 240V or 115V hold up >28ms.

Output Overvoltage — The output is protected against overvoltage. Shutdown occurs at the following levels (percent of nominal):

5V outputs 125% ±5%;
12V outputs 120% ±5%;
15V and above 115% ±5%.

Output Overload — All units are protected against output overload conditions.

AUXILIARY FUNCTIONS

Remote Sense — Available on all units.

Parallel Operation — All units shown are suitable for operation in parallel with other MG units of the same output voltage.

External Voltage Programming — The output voltage of all units is programmable by an external resistor.

External Shutdown — Output voltage may be shut down by connecting a short-circuit between terminals 1 and 6 of front panel terminal block.

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ISOLATION

Primary to Secondary	All units provide 2.1kV d.c. isolation from input to earth and 500V d.c. from output to earth.

ELECTROMAGNETIC COMPATIBILITY

Exported Noise	All units meet the requirements of BS800 1977; VDE0871 Class A. VDE0875 Curve N.

MECHANICAL SPECIFICATION

Mechanical Format	All units are supplied fully enclosed as standard.
Mounting Orientation	Units may be mounted in any orientation with forced air cooling but if convection cooled they must be mounted to allow air convection through the slotted cover and heatsink.
Ventilation and Cooling	There should be forced or free air convection through and over the whole surface of the unit.

ENVIRONMENTAL CONDITIONS

Operating Temperature	0 to 70°C. See current ratings in output specifications for any deratings required above 50°C.
Operating Humidity	0 to 90% R.H. non-condensing.

RELIABILITY

MTBF	>100,000 hrs. at 25°C ground benign according to MIL HBK 217E.

INTERNATIONAL SAFETY STANDARDS

The units have been approved as being compliant with the following standards or with the relevant sections of those standards.

CE marked to the Low Voltage Directive

CSA C22.2 #234

UL1950

EN60950

For more detailed information on these units please contact your local sales office or agent.

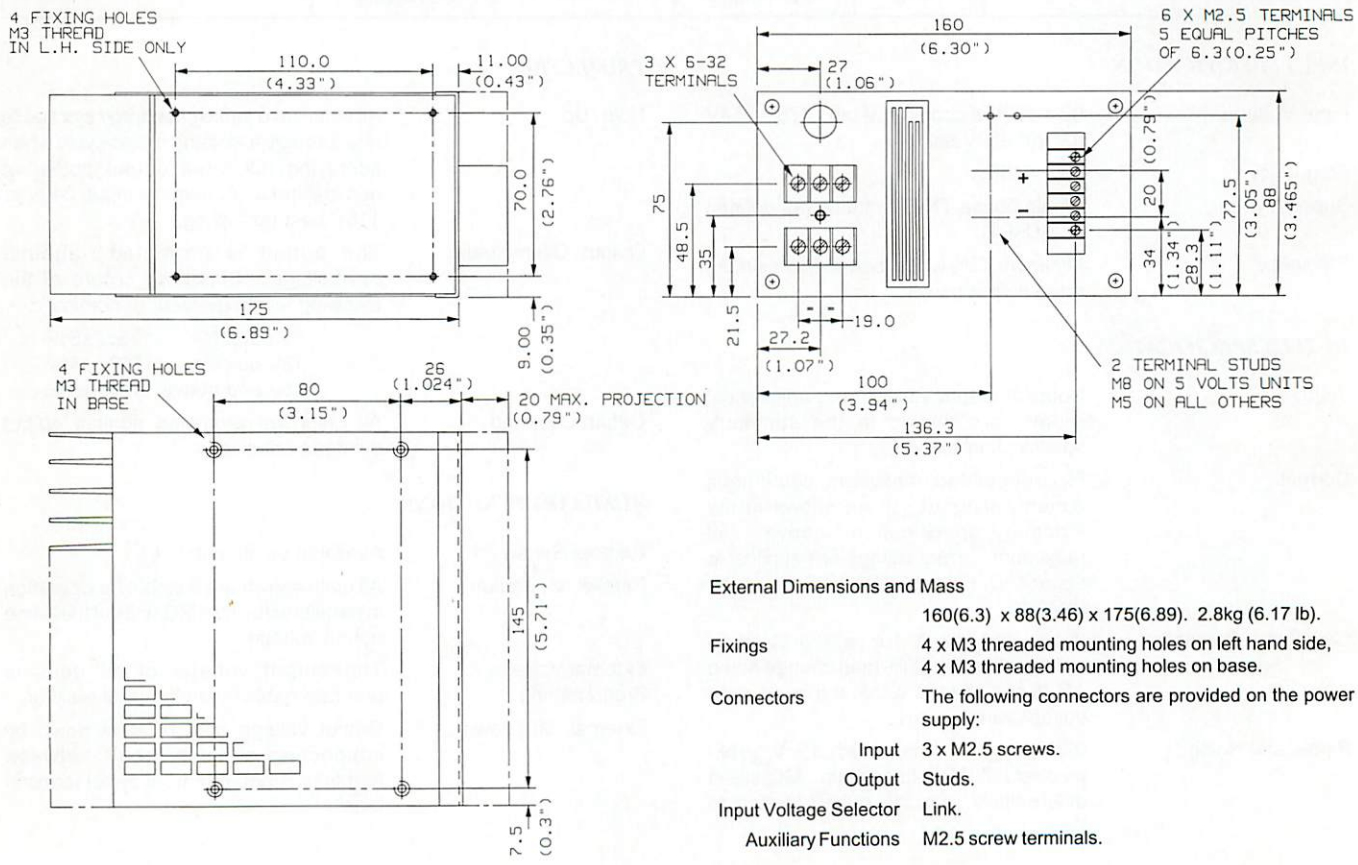
ORDERING INFORMATION

To order specify the order code for the model required:

MG5-40C	05220200
MG12-20C	05221400
MG15-16C	05220600
MG24-10C	05220800
MG48-5C	05222700

MG 200 RANGE OUTLINE DRAWING

All dimensions are nominal and are given in mm (inches)



External Dimensions and Mass

	160(6.3) x 88(3.46) x 175(6.89). 2.8kg (6.17 lb).
Fixings	4 x M3 threaded mounting holes on left hand side, 4 x M3 threaded mounting holes on base.
Connectors	The following connectors are provided on the power supply:
Input	3 x M2.5 screws.
Output	Studs.
Input Voltage Selector	Link.
Auxiliary Functions	M2.5 screw terminals.

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