SAMLEX EUROPE® B.V.

12-24V/40A

BGW Battery Guard Waterproof

Model

BGW 40
40 Amps
12-24V

Features

- Can be set to connect / disconnect at different voltages
- Batteries last longer
- Prevents damage to connected components
- Protects against excessive voltage caused by faulty alternators or chargers
- Microprocessor controled

Applications

- Marine
- Automotive
- Recreational vehicles
- Industry
- Solar

MODEL NO.	BGW 40
ELECTRICAL	
INPUT VOLTAGE RANGE	6 - 35 VDC
MAXIMUM CONTINUOUS OUTPUT CURRENT (@25 °C)	40 A
PEAK CURRENT (@25 °C)	300 A (±0.7 sec)
VOLTAGE DROP	40 mV @ 40 A
CURRENT OUTPUT ACTIVE	3.2 mA
CONSUMPTION OUTPUT INACTIVE	3.2 mA
VOLTAGE ACCURACY	2%
CURRENT ACCURACY	20%
MAXIMUM STATUS / ALARM OUTPUT LOAD	100 mA
INPUT & OUTPUT CONNECTIONS	
MINIMUM WIRE DIAMETER	10 mm2
BOLT SIZE	M6
CABLE LUGS	Cable lugs must match the cable diameter used
FASTON CONNECTIONS	
MINIMUM WIRE DIAMETER	1.5 mm2
FASTON PLUG	6.3 mm
MECHANICAL	
MOUNTING HOLE (Ø)	4.2 mm
DISTANCE BETWEEN MOUNTING HOLES (CENTRE TO CENTRE)	50 mm, ± 1 mm
WEIGHT	155 g
DIMENSIONS (H*W*L)	32 X 72 X 62 mm
IP CODE	IP66
HOUSING MATERIAL	PU552
HOUSING COLOR	Black
COOLING CONCEPT	Convection and conduction

NOTE: Specifications are subject to change without notice

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GENERAL	
OPERATIONAL AMBIENT TEMPERATURE	-10 °C ... +40 °C
STORAGE TEMPERATURE	-25 °C ... +85 °C
OPERATIONAL AIR HUMIDITY	Up to 95%, non-condensing
GALVANIC INSULATION	No
REMOTE CONTACT SWITCH-OFF	Yes
PROTECTION	
OVERCURRENT / SHORT CIRCUIT	Yes (after 1 minute restart)
OVERHEATING, SHUTDOWN	Above 85 °C (after 1 minute restart)
POLARITY PROTECTION	Yes, with fuse in the minus (-) line

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