

Group Battery System CG 2000 Technical Data



Connection terminals

The connection terminals for the external phase monitors, monitoring facilities and control modules are terminals for 2.5 mm² rigid and flexible conductors.

Terminals up to 2 x 4 mm² on DIN rail are provided for the connection of emergency luminaires. A neutral conductor disconnect terminal is not required, as an automatic insulation fault detection indicates the affected circuit.

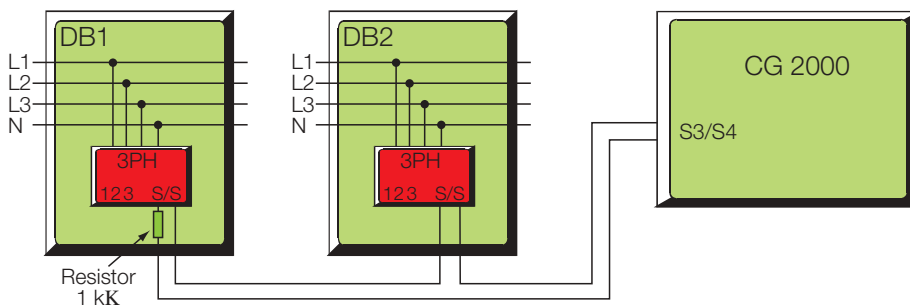


Battery compartment

The battery compartment is shielded from the electronics compartment. It is designed to accommodate maintenance-free, completely sealed lead batteries with a capacity of 24 Ah (CG 100) or 24 Ah to 55 Ah (CG 200).

Ventilation slots in the front door cover ensure sufficient air circulation in the battery compartment. The batteries feature earth leakage and short-circuit proof connections.

Current loop



24 V current loop for the emergency lighting requirement with differential loop monitoring for the **detection of short circuits and open lines**.

Differential monitoring:

In the event of a short circuit or open line the system is switched on immediately (maintained lighting)

Switch phase monitor closed (1 kK):

Normal operation of installation

Three-phase monitor

When one phase fails, the module switches a relay contact and interrupts the standard electronic 24 V current loop in the CG 2000 cover.

The emergency luminaires in non-maintained mode are switched to mains operation, if the mains voltage still applies to the CG 2000 cover (MDB).



Three-phase monitor

Technical data

Dimensions (mm) (h x w x d)	85 x 52.5 x 65
Enclosure	Plastic
Connection terminals	2.5 mm ² rigid and flexible
Type of mounting	DIN rail
Contact 1, 2, 3, S, S	0.5 A/24 V AC/DC

Ordering details

Type	Scope of supply	Order No.
Three-phase monitor	Module ready for installation	4 0071 343 430