

Emergency Lighting System

Low power system



FGB 230



FGB 230

Emergency Lighting System
Low power system 230 V

LPS 1 h / 1500 W
3 h / 500 W

4 Circuits up to maximal 20 lamps
1 Switching unit

Specification

Housing	RITTAL Compact enclosure type AE coloured in RAL 7035	
Dimension	1000 x 600 x 250 mm (l x w x h)	
Weight	60 kg (without battery)	
IP class	IP 54	
Protection class	I	
Power supply	1 / N 50 – 60 Hz / 230 V 3 / N 50 – 60 Hz / 400 V	
Battery	216 V	
	18 x 12V / Ah	18 x 12 V 12 Ah
	1 h 4,0 A app. 900 W	7,0 A app. 1500 W
	3 h 1,6 A app. 350 W	3,1 A app. 670 W
	8 h 0,8 A app. 180 W	1,4 A app. 300 W

Please include an aging buffer of 25% for battery capacity and consider power loss of electronic ballasts and LED driver too.

Central safety power system according to DIN EN 50171 for emergency escape lighting systems DIN EN 50172

Note: An extra electrical operating room ("battery room") will not be required if the safety system only supplies the fire compartment in which it is installed. Following condition must be met:

- Mechanical protection
- Protection against access by unauthorised / untrained persons
- Room freely accessible

Order information

	Order code
FGB 230V 8 circuits	130001
FGB 230V 12 circuits	130002
FGB 230V 16 circuits	130003
FGB 230V 20 circuits	130004

Features

- Automatic test system according to DIN EN 62034 for regular servicing of the emergency lighting system including connected lamps
- Self-sufficient system with combined switching mode for maintained lights, non-maintained lights and switched maintained lights
- Digitally test log integrated for recording all services data over a period of at least 5 years
- Monitoring and error display up to 20 lamps per circuit
- Combination of maintained lights, non-maintained lights and/or switched maintained lights are possible in one circuit
- Status information of emergency lighting system, circuits and lamps displayed as plain test
- All switching inputs are freely assignable to each circuit or lamp
- Internal IO module:
 - 8 floating inputs potential, choose able NC / NO
 - 8 relay outputs, 230 V/6 A – floating changeover contacts

Options

- Linking of external bus monitoring network module and control module for switching input via RS485 interface and bus
- Linking of several systems via Ethernet (TCP/IP)
- Web server integrated for remote maintenance of system
- LED display
 - System ready for operation
 - System failure
 - System battery operation / mains operation
 - Acoustic alarm – system failure (confirmable)
- Monitoring module for external lights
 - Identification module for lamps, address adjustable from 1 to 20
 - Extra switch input 230V AC with changeover switch function

Forchheim und Willing GmbH

Südstraße 21
09221 Neukirchen / Erzgebirge - Germany

Phone: 0049 371 27816-0
Fax: 0049 371 27816-29
E-Mail: info@forchheim-willing.de
Internet: www.forchheim-willing.de