NEW

Small Explosion-proof Sheet Steel Emergency Light Fitting with incorporated Battery Set Series e801 108/./..

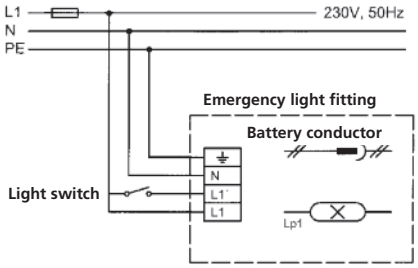
Applications:
Hazardous areas of zones 1, 2 and 21, 22. Designed for safety illumination or as instruction or emergency exit sign lights.

Mechanical design:
Housing: Sheet steel (or stainless steel), powder coated in white (RAL 9016).
Glass pane: Impact resistant safety glass pane, frameless, hinged.
Reflector: White sheet steel, detachable.
Central locking system: Operated by a 5mm allen key, hinges on the opposite side.
Isolating switch: 2 switches for switching off all poles when light fitting is opened.
Optical indicator showing the actual position of the switch.
Connection terminals: Standard Connection range: 2.5 mm² max.
Cable entry: Standard 1 cable gland M25 x 1,5
Mounting: Lighting downwards or horizontally.
Mounting brackets are included.

Note:
Ask fo stainless steel versions in case of permanent humidity or corrosive atmosphere presence

Special versions available for extreme conditions (short cycle operation, e.g. rain storage reservoirs or wastewater treatment plants and equivalent) please contact us.

Wiring diagram maintained operation



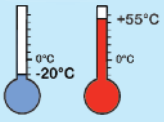
Start-Up: Connect battery conductor
Taking out of operation: Disconnect battery conductor
Lamp: The lamp is on via the mains or in case a mains failure via the battery
Stand-by wiring: Do not connect L1'

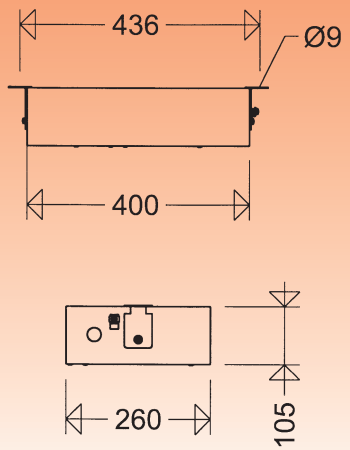
Electrical design:
Microprocessor controlled, intelligent emergency light electronic device with integrated control gear (ECG) with "end-of-life switching-off system" acc. to IEC 61347-2-3. Redundand low discharge protection and restart blokking system.
Multi-function LED: For monitoring the emergency light function and coded status indication.
NiCd batteries: 6V/2.5 ah or 6V/1.5 ah, maintenance-free, quick battery replacement. Electrical disconnention whenever the glass pane is opened.
Automatic monitoring: Weekly functioning test, annual 2/3 operating period test.
Recharging time: 24 h, acc. to to EN 60598-2-22

Mode of operation:
Maintained operation: Switching over to battery operation in case of mains failure. Connection terminals: Standard L1 + L1' + N + PE, max. range of connection: 2.5 mm².
1. Direct phase L1, (or L2, L3) comes from the circuit fuse and is directly (not via the switch) connected to phase L1 (= charging phase). Consequently if the light fitting is switched off the direct phase is live unless the fuses are open or removed.
2. Switched phase L1' goes to connection terminal L1' via the switch and must be electrically identical with the direct phase L1.
3. Neutral conductor N: In case of 220V between the outer conductors instead of the N conductor an outer conductor is selected e.g. L2 or L3.
4. Earth conductor PE

SCHUCH Quality – your advantage:

- reliable and durable thanks to a microprocessor controlled intelligent emergency electronic device with integral ECG.
  - "end-of-life switching-off system" (certification acc. to the latest standard IEC 60079-7 with 2 safety circuits Test 1 and Test 2)
  - multi-function LED with coded indication of the functions, status and potential failures of the electronic device and of the batteries
  - special signal whenever there is an EOL situation (LED red flashing)
  - maintained or stand-by wiring
  - automatic weekly functioning test
  - automatic annual 2/3 operating period test
  - function and operating period test can be effected manually
  - quick replacement of battery set even in explosive atmosphere
- easy to install and maintain, safety implemented
  - central locking system with hingeable safety glass pane for easy lamp replacement
  - isolating switch with optical indicator showing the actual position of the switch
- application within a range of ambient temperature of -20°C up to +55°C (recommended: 0°C up to +40°C)
  - intelligent electronic device to charge batteries even at -20°C





e801 ..././..

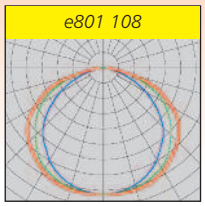
II 2 G Ex deq IIC T4 | II 2 D Ex tD A21 T80°C | IP65

for bi-pin fluorescent tube, socket G5

EC-Type Examination Certificate:
PTB 08 **ATEX** 2026
Other approvals:
GOST-R/ROSTECH-NADZOR (**Russia**)
Marking:
II2 G Ex deq IIC T4 (Zone 1)
II2 D ExtD A21 IP65 [1] T70°C (Zone 21)

Ignition protection: e (increased safety)
Rated voltage: 220-254V, AC, (±10%), 50-60Hz
Admissible ambient temperature:
-20°C up to +55°C
(nominal range) 0°C up to +40°C

T 16



Type	Article no.	Lamps W	Lumin. flux-fact. ca. %	Weight ca.kg[2]
1h hour emergency operation				
e801 108/1/1,5	80100 0001	1 x T16/8W	55	6,8
e801 108/1/2,5	80100 0002	1 x T16/8W	85	7,4
3h hour emergency operation				
e801 108/3/2,5	80100 0003	1 x T16/8W	30	7,4

1) A climatic breather my reduce the IP rating to IP64 (depending on the orientation of the breather)
2) Weights without packing material.

Further series / equipment

– recessed version with frame
– for 1,5h emergency operation
– 2 entries on one small end of the housing for looping the mains cable
– with remote switch connection
– with housing in stainless steel
– 2 cable entries
– silikone free

Accessories / Spare Parts

Type	Article no.	
Spare batteries		
AKKU 8020	90222 9023	spare battery 1,5Ah
AKKU 8021	90222 9024	spare battery 2,5Ah
Spare glass pane		
8100	80009 9001	spare glass pane
Spare cable glands		
2537	90117 9000	ex-proof plastic cable gland M25 x 1,5
Self adhesive pictograms		
389/223/33 W	38900 0001	emergency exit to the left
389/223/34 W	38900 0002	emergency exit to the right
389/223/35 W	38900 0003	emergency exit below

Self-adhesive pictograms for marking escape routes acc. to VGB 125 and DIN 4844.

389/223/33W .../34W .../35W

Sighting distance acc. to EN 1838 and DIN 4844 = 25m.