

WIRING INSTRUCTIONS

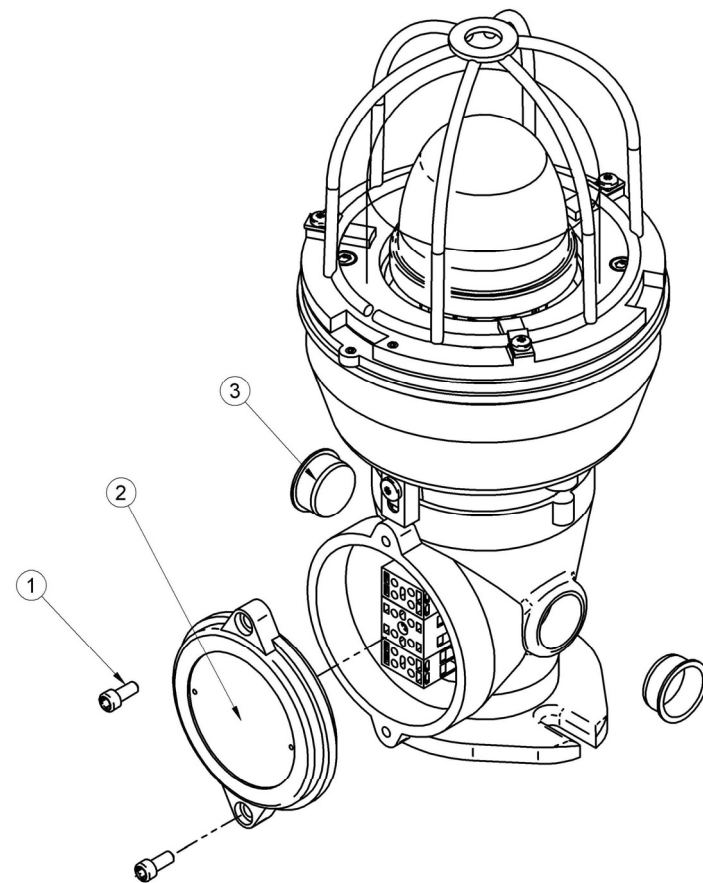


WARNING!
Before making any intervention on the equipment, disconnect the power supply and wait at least 15 minutes before opening the device

Access to the terminal block is made by firstly unscrewing the two hexagonal screws (figure 1) of the front cover of the enclosure and remove the cover (figure 2).

NOTE:
The max. power consumption in watt is indicated on the identification label that is found on the cover.
The current consumption can be found in the tables illustrated on the previous pages of this booklet.

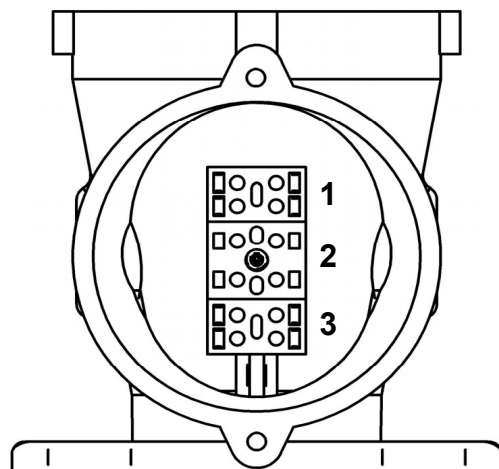
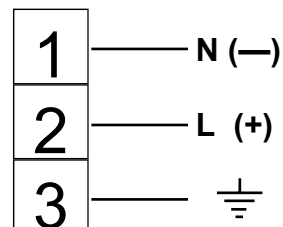
By removing the two plugs (figure 3) on each side of the enclosure it is possible to reach the terminal block inside the enclosure with the power supply cables.



Modelli:

EX 070 MF L - EX 070 MF F - EX 070 XF -
EX 070 MAF L - EX 070 MAF F - EX 070 MXF -
EX 070 MXF ELEV - EX 070 LF 100 -
EX 070 LD SO 905 - EX 070 LD SA 1195 -
EX 070 LD SA 1395 - EX 070 LD 365 MN -
EX 070 LD 455 MX

Connect the wires to the terminal block from the right side, as shown in the drawing, taking care to respect the polarities for the direct current types.

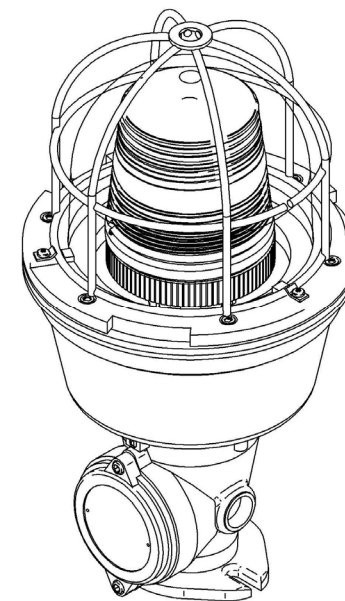


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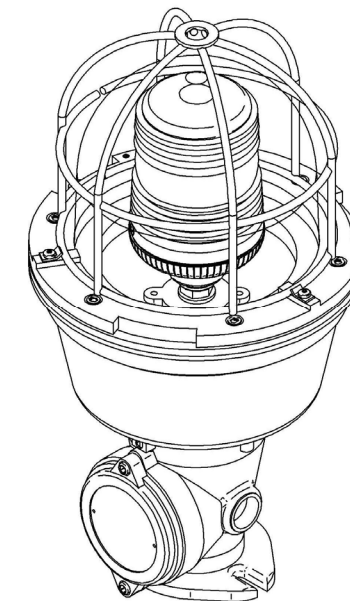
EX 070 RANGE



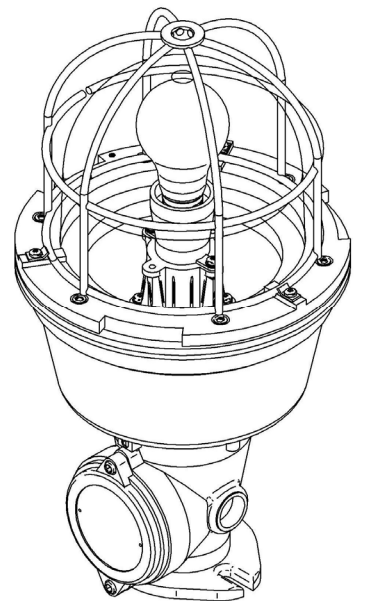
SAFETY, INSTALLATION, APPLICATION AND MAINTENANCE INSTRUCTIONS



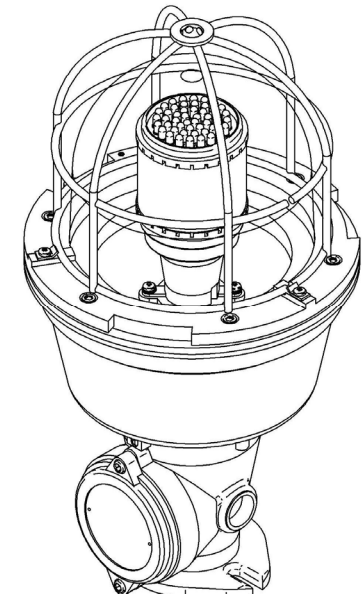
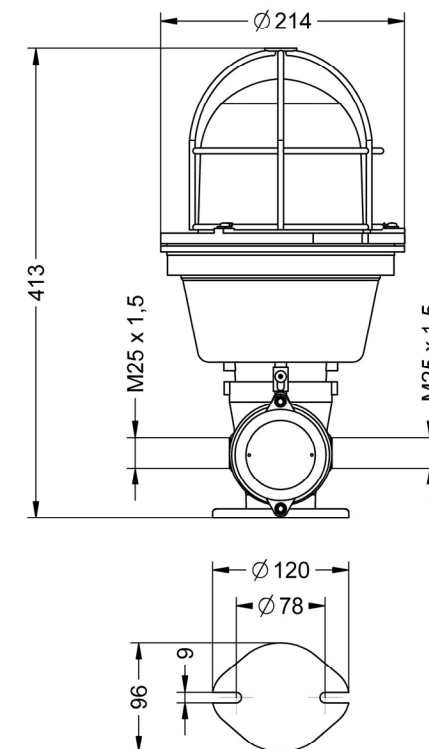
EX 070 MAF L - EX 070 MAF F
EX 070 LD 455 MX - EX 070 MXF
EX 070 MXF ELEV



EX 070 MF L - EX 070 MF F
EX 070 LD 365 MN
EX 070 XF



EX 070 LF 100



EX 070 LD SA 1195
EX 070 LD SA 1395
EX 070 LD SO 905

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SAFETY INSTRUCTIONS



These instructions are intended for qualified personnel in accordance with national laws, including the relative norms and, where applicable, in accordance with IEC 60079-17 relating to electrical equipment for use in potentially explosive atmospheres.

Enclosures made according to standard norms regarding luminous warning devices.
Made according to EN 60079-0, EN 60079-1, EN 61241-0, EN 61241-1 EXECUTION Ex de.

According to 94/9/EC Directive of 23 MARCH 1994.

- The luminous enclosure must not be installed in the dangerous area ZONE 0 and ZONE 20
- The technical details stated on the enclosure must be adhered to
- Modifications to the product are not allowed
- The enclosure can be installed only in its entirety and without faults
- Only SIRENA spare parts must be used
- Routine or specific maintenance work must be carried out by qualified electricians recommended by “EXPERTS”

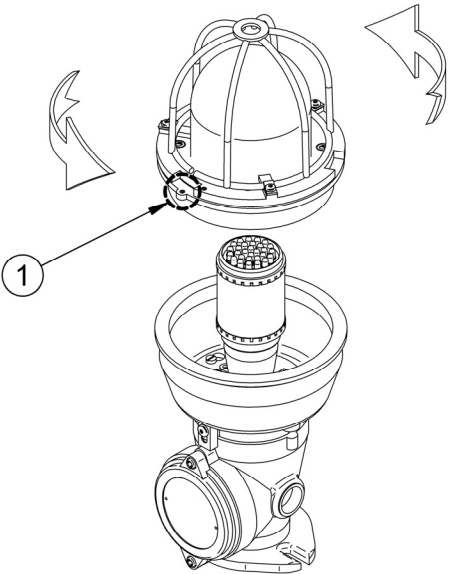
Before making any intervention on the equipment, disconnect the power supply and wait at least 15 minutes before opening the device.
The national norms relating to safety and accident prevention must be strictly followed, as well as the instructions indicated by “⚠” in this booklet. This instruction booklet must be kept for the entire life of the product.

INSTRUCTIONS FOR REPLACING THE BULB



WARNING!
Before making any intervention on the equipment, disconnect the power supply and wait at least 15 minutes before opening the device

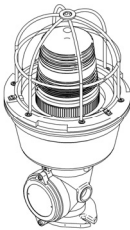
Once a cover or threaded part of the equipment has been opened the threads must be re-oiled. Make sure that any gasket such as the O-RING is put back in its proper place. Any grub screws on the parallel threaded joints must be secured and above all great care must be taken before securing them.
To open the enclosure, firstly unscrew the grub screw that holds the two parts together (①).
Turn the upper part anticlockwise as shown in the drawing below.
Replace the bulb or if there is a dome protecting the bulb, unscrew it and then replace the bulb.



TECHNICAL CHARACTERISTICS

Type of protection: II 2 GD Ex de IIC T6, T4 Ex tD A21 IP66 T85°C, T135°C
Conductor section for terminal box wiring: Internal enclosure 1,5 mm² - Terminal accepts cables up to 4 mm²
Cable entry: 2 HUBS M25 X 1,5

Type	Type of Bulb	Wattage	IP Rating	Temp. Class	Max. Surface temp.	Ambience temp.
EX 070 MF L	Ba 15 d	25W	66	T6	85°C	-25°C ÷ +50°C
EX 070 MF F	Ba 15 d	25W		T6	85°C	-25°C ÷ +50°C
EX 070 LD 365 MN	Integrated leds	10W		T6	85°C	-25°C ÷ +50°C
EX 070 XF	Xenon 2J	15W		T6	85°C	-20°C ÷ +40°C
EX 070 MAF L	Ba 15 d	25W		T6	85°C	-25°C ÷ +50°C
EX 070 MAF F	Ba 15 d	25W		T6	85°C	-25°C ÷ +50°C
EX 070 LD 455 MX	Integrated leds	10W		T6	85°C	-25°C ÷ +50°C
EX 070 MXF	Xenon 6J	25W		T6	85°C	-20°C ÷ +40°C
EX 070 MXF ELEV	Xenon 1J	5W		T6	85°C	-20°C ÷ +40°C
EX 070 LF 100	E 27	100W		T4	135°C	-25°C ÷ +50°C
EX 070 LD SA 1195	LD SA 1195	12W		T6	85°C	-25°C ÷ +50°C
EX 070 LD SA 1395	LD SA 1395	18W		T6	85°C	-25°C ÷ +50°C
EX 070 LD SO 905	LD SO 905	5W		T6	85°C	-25°C ÷ +50°C



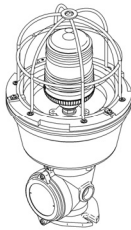
EX 070 MAF L					
V ===	12	24	48	—	—
V ~	—	24	48	110	240
A	2.2	1.1	0.52	0.22	0.10

EX 070 MAF F					
V ===	12	24	48	110	240
V ~	—	24	48	110	240
A	2.1	1.1	0.52	0.22	0.10

EX 070 MXF				
V ===	12 ÷ 24		—	—
V ~			110	240
A	1	0.75	0.11	0.09

EX 070 LD 455 MX				
V ===	24	48	—	—
V ~			110	240
2-3-5 mA	180	170	40	40
1-4-6 mA	170	170	40	40

EX 070 MXF ELEV	
V ===	10 ÷ 100
mA	50 ÷ 220

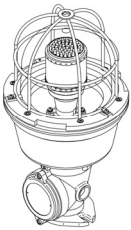


EX 070 MF L					
V ===	12	24	48	—	—
V ~	—	24	48	110	240
A	2.2	1	0.52	0.22	0.10

EX 070 MF F					
V ===	12	24	48	110	240
V ~	—	24	48	110	240
A	2.1	1.1	0.52	0.22	0.10

EX 070 XF				
V ===	12 ÷ 24		—	—
V ~			110	240
mA	400	350	65	40

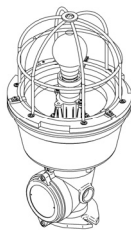
EX 070 LD 365 MN					
V ===	24	48	—	—	
V ~			110	240	
2-3-5 mA	180	170	40	40	
1-4-6 mA	170	180	40	40	



EX 070 LD SO 905	
V ===	240
mA	22

EX 070 LD SA 1195	
V ===	240
mA	35

EX 070 LD SA 1395	
V ===	240
mA	85



EX 070 LF 100	
V ===	240
V ~	
A	0.45

- 1 Led: RED
2 Led: AMBER
3 Led: YELLOW
4 Led: GREEN
5 Led: BLU
6 Led: WHITE