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quality



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SIRENA S.p.A.

Linea antideflagrante **ATEX**

Explosion-proof **ATEX** range

HVS.

PRECONISATEUR DE SOLUTIONS DEPUIS 1985

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Linea antideflagrante Atex
Explosion-proof Atex range

Spia luminosa Atex
Atex warning light

286



EX 045 LD PAG SP

Linea luminosa Atex
Atex luminous range

286-299



EX 050 OVO
EX 050 LD 125 OVO
EX 050 OVO X



EX 070 MF
EX 070 LD 365 MN
EX 070 XF



EX 070 MAF
EX 070 LD 455 MX
EX 070 MXF



EX 080 BABY
EX 080 LD 365 BABY
EX 080 BABY X



EX 080 BABY R



EX 080 LA
EX 080 LD 455 LA
EX 080 LA X



EX 080 RA



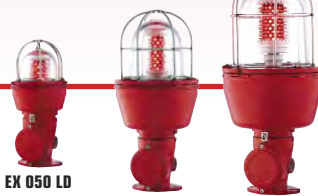
EX 0100 STL
EX 0100 LD 865 STB
EX 0100 STF

Lampade Atex
Atex lamps

300-303



EX 070 LF 100 EX 080 LF 200



EX 050 LD EX 070 LD EX 080 LD

Linea acustica Atex
Atex acoustic range

304



ETS30/100DB ETS60/109DB



ETS60/114DB ETH12 MD ETH20 MD

Interruttori di emergenza Atex
Atex emergency switches

305



EX 025 PAG
EX 035 PAG PCS

Legend - Legende - Leyenda

voltaggio voltage tension Spannung voltaje
corrente current courant Strom corriente
 --- DC
 ~ AC
frequenza frequency fréquence Frequenz frecuencia
energia energy énergie Energie energia
1F= monolampo single flash - simple éclat Einzelblitz - destello simple
2F= bilampo double flash - double éclat Doppelblitz - destello doble
lampi o giri per minuto Flash/min or r.p.m.
 flashes or rotations per minute Flash/min or r.p.m.
 éclats ou tours par minute Flash/min ou r.p.m.
 Blitze oder Umdrehungen pro Minute Flash/min oder r.p.m.
 destellos o rotaciones por minuto Flash/min o r.p.m.

grado IP: corpi solidi e acqua
 IP rating: solid bodies and water
 degré IP: corps solides et eau
 IP-Schutzart: feste Fremdkörper-Wasser
 grado de IP: cuerpos sólidos y agua

voltaggio V 12÷24-110-240 (±10%)
IP 66
°C -20 +40
On ∞
propagazione luce light diffusion diffusion de la lumière Lichtstrahlung propagación de la luz
servizio continuo continuous operation service continu Dauerbetrieb servicio continuo
temperatura di funzionamento operating temperature range température de fonctionnement Betriebstemperatur temperatura operativa
colore della cupola dome colours couleurs du dôme Haubenfarben colores de la cúpula
 1 = blu - blue - bleu - Blau - azul
 2 = arancio - amber - orange - Gelb - ámbar
 3 = rosso - red - rouge - Rot - rojo
 4 = verde - green - vert - Grün - verde
 5 = giallo - yellow - jaune - Hellgelb - amarillo
 6 = neutro - clear - transparent - Farblos - claro
materiale cupola dome material matériel du dôme Haubenmaterial material de la cúpula
PC: policarbonato polycarbonate polycarbonate Polycarbonat policarbonato
tipo filettatura type of thread type de filetage Gewinde tipo de rosca

*** filetti, adattatori e pressacavi disponibili a richiesta**
 threads, adapters and pressure glands available on request
 filets, adaptateurs et presse-étoupe disponibles sur demande
 Gewinde, Passtücke und Kabeldurchführungen lieferbar auf Anfrage
 roscas, adaptadores y prensaestopas disponibles bajo demanda

Informazioni tecniche relative alle più importanti caratteristiche elettriche e prestazioni funzionali Technical information regarding the most important functional and electrical characteristics Informations techniques concernant les caractéristiques électriques et fonctionnelles les plus importantes Technische Informationen über die wichtigsten elektrischen und Funktionsmerkmale Informaciones técnicas sobre las características eléctricas y prestaciones funcionales más importantes

voltaggio corrente alternata alternating current voltage tension courant alternatif Spannung Wechselstrom voltaje corriente alterna
voltaggio corrente continua direct current voltage tension courant continu Spannung Gleichstrom voltaje corriente continua
omologazione approval homologation Genehmigung homologación
temperatura massima superficiale maximum surface temperature température maximale de surface Max. Oberflächentemperatur temperatura máxima de superficie

| | | CESI 05 ATEX 043 | | | T6 | |
|--------|-----|------------------|-----|------|------|--|
| V ~ | 12 | 24 | 48 | - | - | |
| V ~ | 12 | 24 | 48 | 110 | 240 | |
| A | 3.8 | 1.9 | 0.9 | 0.36 | 0.17 | |
| Cd (p) | 540 | 405 | 270 | 225 | 225 | |

BA 15s 45W
 LR BA 15s 45W
 E 14 40W
 LR E 14S 40W

assorbimento di corrente current consumption consommation de courant Stromverbrauch consumo de corriente
candele di picco misurate con cupola neutra peak candelas with clear dome
 candelas de pic avec dôme incolore
 Spitzenwert-Candelas mit farbloser Haube
 candelas/pico con cúpula incolore

Tutti i prodotti sono imballati in casse di legno
 All products are packed in wooden boxes
 Tous les produits sont emballés dans des boîtes en bois
 Alle Produkte sind in Holzkasten verpackt
 Todos los productos son embalados en cajas de madera

Tipi di sorgente luminosa:
 Type of luminous source:
 Type de source lumineuse:
 Lichtquellentyp:
 Tipo de fuente luminosa:

- lampada a filamento filament bulb ampoule à filament Glühlampe lámpara incandescente
- lampada alogena halogen bulb ampoule halogène Halogenlampe lámpara halógena
- tubo a scarica allo xeno 1J xenon tube 1J tube au xénon 1J Xenon-Blitzröhre 1J tubo de descarga de xenón 1J
- tubo a scarica allo xeno 2J xenon tube 2J tube au xénon 2J Xenon-Blitzröhre 2J tubo de descarga de xenón 2J
- tubo a scarica allo xeno 6J xenon tube 6J tube au xénon 6J Xenon-Blitzröhre 6J tubo de descarga de xenón 6J
- tubo a scarica allo xeno 15J xenon tube 15J tube au xénon 15J Xenon-Blitzröhre 15J tubo de descarga de xenón 15J

CODIFICA: es. / CODIFICATION: ex. / CODIFICATION: ex. CODIERUNG: Beispiel / CODIFICACIÓN: ej.

| EX | 070 | XF | 110 | AC | 1 |
|---|--|---|---|--|--|
| Antideflagrante Explosion-proof Antidéflagrant Explosionsgeschützt Antideflagrante | Codice armatura Housing code Code enveloppe Kapselung Code Código carcasa | Descrizione Description Description Bezeichnung Descripción | Voltaggio Voltage Tension Spannung Voltaje | Corrente Current Courant Stromart Corriente | Colore Colour Couleur Farbe Color |
| L = luce lampeggiante flashing light lumière clignotante Blinklicht luz intermitente | | lumière à éclats Blitzlicht luz de xenón | | DA = corrente continua e alternata direct and alternating current courant continu et alternatif Gleichstrom und Wechselstrom corriente continua y alterna | |
| F = luce fissa continuous light lumière fixe Dauerlicht luz fija | | D = corrente continua direct current courant continu Gleichstrom corriente continua | | LD = LED integrati/lampada a LED LED integrated/LED bulb LED intégrées/Ampoule à LED Integrierte LED/LED Leuchtmittel LED'S integrados / lámpara de LED'S | |
| X = luce xeno xenon flashing light | | A = corrente alternata alternating current courant alternatif Wechselstrom corriente alterna | | | |



I nostri prodotti antideflagranti sono omologati secondo la: **Direttiva 94/9/Ec "ATEX"**

La nuova direttiva Atex Appendice 4 e Appendice 7, prevede che i produttori di Apparecchiature elettriche che possono essere utilizzate in zone di pericolo di esplosione per la presenza di gas, vapori, nebbie o polveri infiammabili abbiano un sistema di qualità certificato secondo la norma ISO 9000, con Piani Qualità espressamente definiti per la progettazione, produzione, il controllo e assistenza di tali apparecchiature e che questo sia verificato costantemente da un organismo notificato. Sirena ha ottenuto il certificato dall'Istituto Masini, che è un organismo notificato n° 0068. Il certificato che attesta la conformità ai dettami della Direttiva ATEX è 0068/QPR-AT/031-2005.

CLASSIFICAZIONE DELLE AREE PERICOLOSE IN EUROPA PER PRESENZA DI GAS

In Europa viene seguita la norma EN 60079-10, in base a questa ogni luogo pericoloso per presenza di gas o vapori deve essere classificato secondo la suddivisione in una delle tre zone previste dalla normativa:

| | |
|---------------|---|
| ZONA 0 | È un'area nella quale una miscela di gas esplosiva è presente in maniera continuativa (es: interno di un serbatoio di benzina). |
| ZONA 1 | È un'area nella quale una miscela di gas esplosiva può essere presente durante il normale funzionamento dell'impianto. |
| ZONA 2 | È un'area nella quale una miscela di gas non è normalmente presente, e nel caso lo sia lo è solo per brevi periodi di tempo. |

Ogni altra parte dell'impianto viene considerata
AREA SICURA

CLASSIFICAZIONE DELLE AREE PERICOLOSE IN EUROPA PER PRESENZA DI POLVERI

In Europa viene seguita la norma EN 50281-1-1, in base a questa ogni luogo pericoloso per presenza di polveri deve essere classificato secondo la suddivisione in una delle tre zone previste dalla normativa:

| | |
|----------------|---|
| ZONA 20 | È un'area nella quale una polvere esplosiva è presente in maniera continuativa. |
| ZONA 21 | È un'area in cui una polvere esplosiva può essere presente durante il normale funzionamento dell'impianto. |
| ZONA 22 | È un'area nella quale una polvere esplosiva non è normalmente presente, e nel caso lo sia lo è solo per brevi periodi di tempo. |

Ogni altra parte dell'impianto viene considerata
AREA SICURA

Allo stato attuale in Italia i luoghi di pericolo in base alle sostanze presenti si dividono in:

| | |
|-----------------|---------------------------------|
| CLASSE 0 | Materiale esplosivo (Dinamite) |
| CLASSE 1 | Gas o Vapori (Benzine) |
| CLASSE 2 | Polveri infiammabili (Magnesio) |

MODI DI PROTEZIONE

CRITERI DI BASE

Una volta individuato all'interno di un impianto le varie zone di pericolo è fondamentale operare la scelta sulle apparecchiature elettriche che possono venire installate in quella zona per scongiurare il pericolo di esplosione causato da scintille accidentali o da sovratemperature superficiali. Fondamentalmente i criteri su cui si basano i diversi tipi di protezione sono i seguenti:

A - La possibile esplosione viene contenuta all'interno di apposite custodie a prova di esplosione (Ex-d)

B - Viene aumentata l'affidabilità dei componenti elettrici che non scintillano in modo normale di utilizzo, e viene quindi ridotto a livelli molto bassi il rischio che l'apparecchiatura possa causare un'esplosione (Ex-e; Ex-n).

C - L'energia messa in gioco anche in caso di guasto dell'apparecchio è così bassa da evitare qualsiasi innesco dell'atmosfera esplosiva (Ex-i).

D - Viene impedito il contatto tra il componente elettrico che può essere causa di innesco e l'atmosfera esplosiva (Ex-m; Ex-o; Ex-q; Ex-p).

Classificazioni delle apparecchiature

| Categoria di pericolo | EUROPA | Energia di innesco |
|-----------------------|--------------------|-------------------------------|
| Metano | Gruppo I (Miniere) | - |
| Acetilene | Gruppo IIC | > 20μ joules |
| Idrogeno | Gruppo IIC | > 20μ joules |
| Etilene | Gruppo IIB | > 60μ joules |
| Propano | Gruppo IIA | > 180μ joules |
| Polveri metalliche | In preparazione | Più difficilmente innescabili |
| Polveri di carbone | | |
| Polveri di grano | | |
| Fibre | | |

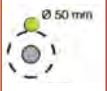

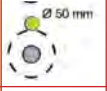










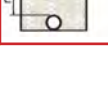


Normativa Comunitaria Europea

| REGOLE GENERALI | | EN 60079-0 |
|-----------------|--------------------------------|-------------|
| Ex"o" | Immersione in olio | EN 50015 |
| Ex"p" | Sovrapressione interna | EN 60079-2 |
| Ex"q" | Costruzione sotto sabbia | EN 50017 |
| Ex"d" | Custodie a prova di esplosione | EN 60079-1 |
| Ex"e" | Sicurezza aumentata | EN 60079-7 |
| Ex"i" | Sicurezza intrinseca | EN 60079-11 |
| Ex"m" | Immersione in resina | EN 60079-18 |

Classificazione delle massime temperature superficiali

| | | | | | | |
|---------------------------------------|-----|-----|-----|-----|-----|----|
| Massima temperatura superficiale (°C) | 450 | 300 | 200 | 135 | 100 | 85 |
| EUROPA | T1 | T2 | T3 | T4 | T5 | T6 |

INDICE DI PROTEZIONE (EN 60529)

| Prima cifra: protezione contro corpi solidi estranei | | | Seconda cifra: protezione contro l'acqua | | |
|--|---|--|--|---|---|
| IP | | | IP | | |
| 0 |  | Non protetto | 0 |  | Non protetto |
| 1 |  | Protetto contro corpi solidi estranei superiori a 50 mm (es. contatto involontario della mano) | 1 |  | Protetto contro la caduta verticale di gocce d'acqua (condensa) |
| 2 |  | Protetto contro corpi solidi estranei superiori a 12,5 mm (es. dito della mano) | 2 |  | Protetto contro la caduta verticale di gocce d'acqua con un'inclinazione fino a 15° |
| 3 |  | Protetto contro corpi solidi estranei superiori a 2,5 mm (es. utensili e viti) | 3 |  | Protetto contro la caduta verticale di pioggia con un'inclinazione fino a 60° |
| 4 |  | Protetto contro corpi solidi estranei superiori a 1 mm (es. utensili e cavi sottili) | 4 |  | Protetto contro gli spruzzi d'acqua da tutte le direzioni |
| 5 |  | Protetto contro la polvere (nessun deposito apprezzabile) | 5 |  | Protetto contro i getti d'acqua da tutte le direzioni |
| 6 |  | Totalmente protetto contro la polvere | 6 |  | Totalmente protetto contro i getti d'acqua potenti |
| | | | 7 |  | Protetto contro gli effetti dell'immersione |
| | | | 8 |  | Protetto contro gli effetti dell'immersione continua in condizioni specificate |

Gruppi di custodie adatte per particolari gas o vapori infiammabili

| GRUPPO | MESG (mm) | Gas o vapore |
|--------|----------------|---|
| I | | Metano (grisou) |
| IIA | 0,9 < MESG | Acetato di amile Acetato di etile Acetato di metile Acetato di N-butile Acetato di N-propile Acetone Alcol amilico Alcol butilico Alcol etilico Ammoniaca Benzene Butano Cicloesano Cloroetilene Decano Eptano Esano Etanolo Etil-metil-chetone Gas di alto forno Iso-Butanolo Iso-Ottano Metano industriale Metanolo Monossido di carbonio Nitrato di etilene N-Butanolo Ossido di carbonio Pentano Propano Xilene |
| IIB | 0,5 < MESG 0,9 | Buta 1:3-diene Etere dietilico Etilene Gas di città Gas di forno a coke Ossido di etilene |
| IIC | < 0,5 MESG | Acetilene Idrogeno Nitrato di etile Solfuro di carbonio |

Caratteristiche tecniche dei prodotti della nostra linea antideflagrante

Corpo in lega di Alluminio esente da rame

Cupola esterna in vetro borosilicato - cupola interna in Policarbonato

Griglia di protezione in acciaio INOX

Verniciatura poliesteri RAL 3020

Direttiva - Norme: 94/9/EC - EN 60079-0 - EN 60079-1

Installazione (secondo EN 60079-10 e EN 50281-1-1):
Zona 1 - Zona 2 - Zona 21 - Zona 22



Our explosion proof products are approved according to: **“ATEX” Directive 94/9/Ec**

The new ATEX directive, Appendices 4 & 7, states that manufacturers of electrical equipment to be used in explosive atmospheres where flammable gases, vapours, fumes or dusts are present, must have a certified quality system according to ISO 9000 with clearly defined quality plans for the design, production, inspection and assistance of such equipment that can be constantly verified by an advisory body. SIRENA has been awarded an ISO certificate by Istituto Masini, notified body no. 0068. The certificate that proves conformity to the ATEX Directive regulations is: 0068/QPR-AT/031-2005.

CLASSIFICATION OF THE HAZARDOUS AREAS IN EUROPE WHERE GAS IS PRESENT

In Europe the EN 60079-10 standard is applicable and all dangerous areas where gas or vapours are present must be classified according to one of the following categories:

| | |
|---------------|---|
| ZONE 0 | An area where the mixture of explosive gas is constantly present (e.g. the inside of a fuel tank). |
| ZONE 1 | An area where the mixture of explosive gas can be present during the normal operation of the plant. |
| ZONE 2 | An area where the mixture of explosive gas is not normally present, but if it is, only for brief periods of time. |

All other areas of the site are considered **SAFE AREAS**

CLASSIFICATION OF THE HAZARDOUS AREAS IN EUROPE WHERE POWDER IS PRESENT

Europe follows the EN 50281-1-1 standard and all dangerous areas where powder is present must be classified according to one of the following categories:

| | |
|----------------|--|
| ZONE 20 | An area where the mixture of explosive powder is constantly present. |
| ZONE 21 | An area where the mixture of explosive powder can be present during the normal operation of the plant. |
| ZONE 22 | An area where the mixture of explosive powder is not normally present, but if it is, only for brief periods of time. |

All other areas of the site are considered **SAFE AREAS**

At the moment, in Italy, the dangerous areas are divided according to the substances present:

| | |
|----------------|---------------------------------|
| CLASS 0 | Explosive Materials (Dynamite) |
| CLASS 1 | Gas or Vapours (Fuels) |
| CLASS 2 | Inflammable Powders (Magnesium) |

METHODS OF PROTECTION

BASIC PRINCIPLES

Once the various hazardous areas have been identified within a plant, it is essential to study the choice of electrical equipment to be installed in that zone to protect against the danger of explosions caused by accidental sparks or surface overheating. Primarily, the different types of protection are based on the following principles:

A - Potential explosions are contained within an appropriate explosion-proof housing (Ex-d).

B - An increase in the reliability of the electrical components that do not spark under normal use, and therefore the risk that they may cause an explosion is reduced to a very low level (Ex-e; Ex-n)

C - The energy at stake even in case of breakdown is low enough to avoid igniting the explosive atmosphere (Ex-i).

D - Contact is prevented between the electrical component that could act as a trigger and the explosive atmosphere (Ex-m; Ex-o; Ex-q; Ex-p).

Classification of the equipment

| Danger category | EUROPE | Ignition energy |
|-----------------------|---------------------------|----------------------|
| Methane | Group I (mines) | - |
| Ethyl Acetate | Group IIC | > 20μ joules |
| Hydrogen | Group IIC | > 20μ joules |
| Ethylene | Group IIB | > 60μ joules |
| Propane | Group IIA | > 180μ joules |
| Bushing metal powders | Standard should be issued | With harder ignition |
| Coal powder | | |
| Grain powder | | |
| Fibre | | |

European Community Rules

| GENERAL RULES | | EN 60079-0 |
|---------------|-------------------------|-------------|
| Ex"o" | Oil immersed | EN 50015 |
| Ex"p" | Inside pressure | EN 60079-2 |
| Ex"q" | Construction under sand | EN 50017 |
| Ex"d" | Explosion-proof housing | EN 60079-1 |
| Ex"e" | Increased safety | EN 60079-7 |
| Ex"i" | Intrinsic safety | EN 60079-11 |
| Ex"m" | Encapsulation | EN 60079-18 |

Classification of maximum surface temperature

| | | | | | | |
|--------------------------------------|-----|-----|-----|-----|-----|----|
| Max. surface temperature (°C) | 450 | 300 | 200 | 135 | 100 | 85 |
| EUROPE | T1 | T2 | T3 | T4 | T5 | T6 |

DEGREE OF PROTECTION (EN 60529)

| First digit: protection against accidental contact and penetration by solid foreign bodies | | Second digit: protection against penetration of liquids | |
|--|--|---|--|
| IP | | IP | |
| 0 | No particular protection | 0 | No particular protection |
| 1 | Protection against solid bodies over 50 mm and against contacts by large surfaces of the human body (e.g. the hands) | 1 | Protection against the vertical fall of drops of water (e.g. condensation) |
| 2 | Protection against solid bodies over 12.5 mm and against finger contact | 2 | Protection against the vertical fall of drops of water with a maximum incline of 15° |
| 3 | Protection against solid bodies over 2.5 mm (e.g. tools, wires) | 3 | Protection against the vertical fall of drops of water with a maximum incline of 60° |
| 4 | Protection against penetration of solid bodies with a diameter or thickness over 1 mm (e.g. wires) | 4 | Protection against splashes of water from all directions |
| 5 | Dust penetration is not fully excluded, but the quantity that penetrates causes no damaging effects | 5 | Protection against jets of water from all directions |
| 6 | No dust penetration is permitted | 6 | Protection against waves of water or powerful jets |
| | | 7 | Protection against the effects of immersion |
| | | 8 | Protection against the effects of prolonged immersion under pressure |

Groups of enclosures suitable for a particular flammable gas or vapour

| GROUP | MESG (mm) | Gas or vapour |
|-------|----------------|---|
| I | | Methane (Firedamp) |
| IIA | 0,9 < MESG | Amyl acetate Ethyl acetate Methyl acetate N-Butyl acetate N-Propyl acetate Acetone Amyl alcohol Butyl alcohol Ethanol Ammonia Benzene Butane Ciclohexane Cloroethylene Decane Eptane Esane Ethanol Ethyl-methyl-ketone Blas furnace gas Iso-Butanol Iso-Octane Industrial Methane Methanol Carbon monoxide Ethyl nitrite N-Butanol Carbon monoxide Pentane Propane Xilene |
| IIB | 0,5 < MESG 0,9 | Buta 1:3-diene Diethyl ether Ethylene Town gas Coke oven gas Ethylene oxide |
| IIC | < 0,5 MESG | Acetylene Hydrogen Ethyl nitrate Carbon sulphide |

Technical characteristics of our explosion-proof range of products

Copper-free aluminium alloy body

Borosilicate glass external dome - PC internal dome

Stainless steel INOX protective grid

RAL 3020 polyester painted

Directive - Norms: 94/9/EC - EN 60079-0 - EN 60079-1

Installation (according to EN 60079-10 and EN 50281-1-1):
Zone 1 - Zone 2 - Zone 21 - Zone 22



Nos produits antidéflagrants sont homologués selon la: **Directive 94/9/EC "ATEX"**

La nouvelle directive Atex Appendice 4 et Appendice 7, prévoit que les fabricants d'appareils électriques qui peuvent être employés dans des zones à risque d'explosion, vu la présence de gaz, vapeurs, brouillards ou poussières inflammables, disposent d'un système de qualité certifié selon la norme ISO 9000. Ce système prévoit des plans de qualité conçus notamment pour le projet, la production, le contrôle et l'assistance des dits appareils et il est vérifié en continuité par un organisme notifié. Sirena a obtenu le certificat de l'Institut Masini, l'organisme notifié n° 0068. Le certificat qui atteste la conformité selon la Directive Atex est 0068/QPR-AT/031-2005.

CLASSIFICATION DES ZONES DE DANGER EN EUROPE POUR LA PRESENCE DE GAZ

En Europe on suit la norme EN 60079-10, selon laquelle chaque zone dangereuse à cause de la présence de gaz ou vapeurs doit être classifiée selon la subdivision, dans les trois zones prévues par la norme:

| | |
|---------------|---|
| ZONE 0 | Il s'agit d'une zone dans laquelle un mélange de gaz explosif est toujours présent (ex. : intérieur d'un réservoir d'essence). |
| ZONE 1 | Il s'agit d'une zone dans laquelle un mélange de gaz explosif peut être présent en conditions normales de service de l'installation. |
| ZONE 2 | Il s'agit d'une zone dans laquelle un mélange de gaz n'est normalement pas présent, et au cas où il serait présent, seulement pour une brève période. |

Chaque autre partie de l'installation est considérée **ZONE SURE**

CLASSIFICATION DES ZONES DE DANGER EN EUROPE POUR LA PRESENCE DE POUSSIÈRES

En Europe on suit la norme EN 50281-1-1, selon laquelle chaque zone dangereuse à cause de la présence de poussières, doit être classifiée selon la subdivision, dans les trois zones prévues par la norme:

| | |
|----------------|--|
| ZONE 20 | Il s'agit d'une zone dans laquelle la poussière explosive est toujours présente. |
| ZONE 21 | Il s'agit d'une zone dans laquelle la poussière explosive peut être présente en conditions normales de service de l'installation. |
| ZONE 22 | Il s'agit d'une zone dans laquelle la poussière explosive n'est normalement pas présente, et au cas où il serait présente, seulement pour une brève période. |

Chaque autre partie de l'installation est considérée **ZONE SURE**

Actuellement en Italie les zones de danger à base des substances présentes se divisent en:

| | |
|-----------------|-------------------------------------|
| CLASSE 0 | Matériau explosif (Dynamite) |
| CLASSE 1 | Gaz ou Vapeurs (Essences) |
| CLASSE 2 | Poussières Inflammables (Magnésium) |

MODES DE PROTECTION

CRITERES DE BASE

Une fois déterminé les différentes zones de danger à l'intérieur d'une installation, il est essentiel d'effectuer le choix des appareils électriques qui peuvent être installés dans cette zone pour éviter le danger d'explosion causé par d'étincelles accidentelles ou par une augmentation excessive de la température de surface.

Les critères sur lesquels se basent les différents types de protection sont principalement les suivants:

A - L'explosion possible se trouve à l'intérieur d'enveloppes spéciales à l'épreuve d'explosion (Ex-d)

B - La fiabilité des composants électriques qui n'étincellent pas en condition normale d'emploi est augmentée et donc le risque que l'appareil puisse causer une explosion est réduit à des niveaux très bas (Ex-e ; Ex-n).

C - L'énergie mise en jeu, même en cas de panne de l'appareil, est tellement basse que toute inflammation de l'atmosphère (Ex-i) est empêchée.

D - Le contact entre le composant électrique qui peut être cause d'inflammation et l'atmosphère explosive, est empêché (Ex-m ; Ex-o ; Ex-q ; Ex-p).

Classification des appareillages

| Catégorie de danger | EUROPE | Energie d'inflammation |
|------------------------|------------------|---------------------------|
| Méthane | Groupe I (mines) | - |
| Acétylène | Groupe IIC | > 20μ joules |
| Hydrogène | Groupe IIC | > 20μ joules |
| Ethylène | Groupe IIB | > 60μ joules |
| Propane | Groupe IIA | > 180μ joules |
| Poussières métalliques | En préparation | Plus difficile à étouffer |
| Poussières de charbon | | |
| Poussières de blé | | |
| Fibres | | |

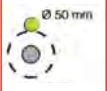

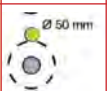



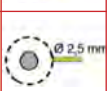
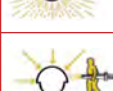



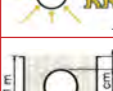

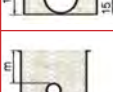


Normes Communauté Européenne

| REGLES GENERALES | | EN 60079-0 |
|------------------|---------------------------------|-------------|
| Ex"o" | Immersion dans l'huile | EN 50015 |
| Ex"p" | Surpression interne | EN 60079-2 |
| Ex"q" | Construction sous sable | EN 50017 |
| Ex"d" | Enveloppes à preuve d'explosion | EN 60079-1 |
| Ex"e" | Sécurité augmentée | EN 60079-7 |
| Ex"i" | Sécurité intrinsèque | EN 60079-11 |
| Ex"m" | Immersion dans la résine | EN 60079-18 |

Classification des températures maximales de surface

| Température maximale de surface (° C) | 450 | 300 | 200 | 135 | 100 | 85 |
|---------------------------------------|-----|-----|-----|-----|-----|----|
| EUROPE | T1 | T2 | T3 | T4 | T5 | T6 |

INDICES DE PROTECTION (EN 60529)

| 1er chiffre: protection contre les corps solides | | | 2e chiffre: protection contre les corps liquides | | |
|--|---|--|--|---|---|
| IP | | | IP | | |
| 0 |  | Pas de protection | 0 |  | Pas de protection |
| 1 |  | Protégé contre les corps solides supérieurs à 50 mm (ex.: contacts involontaires de la main) | 1 |  | Protégé contre les chutes verticales de gouttes d'eau (condensation) |
| 2 |  | Protégé contre les corps solides supérieurs à 12,5 mm (ex.: doigt de la main) | 2 |  | Protégé contre les chutes de gouttes d'eau jusqu'à 15° de la verticale |
| 3 |  | Protégé contre les corps solides supérieurs à 2,5 mm (outils, vis) | 3 |  | Protégé contre l'eau en pluie jusqu'à 60° de la verticale |
| 4 |  | Protégé contre les corps solides supérieurs à 1 mm (outils fins, petits fils) | 4 |  | Protégé contre les projections d'eau de toutes directions |
| 5 |  | Protégé contre les poussières (pas de dépôt nuisible) | 5 |  | Protégé contre les jets d'eau de toutes directions à la lance |
| 6 |  | Totalement protégé contre les poussières | 6 |  | Totalement protégé contre les projections d'eau assimilables aux paquets de mer |
| | | | 7 |  | Protégé contre les effets de l'immersion |
| | | | 8 |  | Protégé contre les effets de l'immersion prolongée dans des conditions spécifiées |

Groupes d'enveloppes convenables pour gaz ou vapeurs inflammables particuliers

| GROUPE | MESG (mm) | Gaz ou vapeur |
|--------|----------------|---|
| I | | Méthane (grisou) |
| IIA | 0,9 < MESG | Acétate d'amyle Acétate d'éthyle Acétate de méthyle Acétate de n butyle Acétate de n propylée Acétone Alcool amylique Alcool butylique Alcool éthylique Ammoniaque Benzène Butane Cyclohexane Chloroéthylène Décane Heptane Hexane Ethanol Ethyl-méthyl-cétone Gaz haut de four Iso-butanol Iso-octane Méthane industriel Méthanol Monoxyde de carbone Nitrure d'éthylène N - butanol Oxyde de carbone Pentane Propane Xylène |
| IIB | 0,5 < MESG 0,9 | Buta 1:3-diène Ether diéthylénique Éthylène Gaz de ville Gaz de four à coke Oxyde d'éthylène |
| IIC | < 0,5 MESG | Acétylène Hydrogène Nitrite d'éthyle Sulfure de carbone |

Caractéristiques techniques des produits de notre ligne antidéflagrante

Corps en alliage d'aluminium sans cuivre

Dôme externe en verre borosilicate - dôme interne en polycarbonate

Grille de protection en acier INOX

Vernissage polyester RAL 3020

Directive - Norme: 94/9/EC - EN 60079-0 - EN 60079-1

Installation (selon EN 60079-10 et EN 50281-1-1):
Zone 1 - Zone 2 - Zone 2'1 - Zone 22



Unsere explosionsgeschützten Signalgeräte sind nach der:

“ATEX” Richtlinie 94/9/EG zertifiziert

Die neue ATEX Richtlinie - Anhang 4 und 7 - sieht vor, dass die Hersteller von elektrischen Geräten, die in Explosionsgefahrenzonen installiert werden, wo die Existenz von brennbaren Gasen, Dämpfen, Nebeln und Stäuben möglich ist, ein nach der ISO 9000 zertifiziertes Qualitätssystem haben müssen. Dieses Qualitätssystem sieht Qualitätspläne vor, die eigens für die Planung, die Herstellung, die Kontrolle und den Kundendienst festgesetzt sind. Dies wird auch von einem Prüfinstitut regelmäßig überprüft. Sirena ist von Istituto Masini zertifiziert nach DIN ISO 9000 mit der Nr. 0068. Das Zertifikat, welches die Konformität mit der ATEX -Richtlinie belegt, ist die 0068/GPR-AT/031-2005.

KLASSIFIZIERUNG DER GEFAHRENZONEN IN EUROPA BEI DER EXISTENZ VON GASEN

In Europa wird die Norm EN 60079-10 befolgt und jede Gefahrenzone der Anlage muss somit bei der Existenz von Gasen oder Dämpfen, wie folgt klassifiziert werden.

Durch brennbare Gase explosionsgefährdete Bereiche:

| | |
|---------------|---|
| ZONE 0 | Bereiche, in denen gefährliche explosionsfähige Atmosphäre, die aus einem Gemisch von Luft und Gasen, Dämpfen oder Nebeln besteht, ständig, langfristig oder häufig existiert (z.B. in einem Kraftstoffbehälter). |
| ZONE 1 | Bereiche, in denen die explosionsfähige Atmosphäre aus Gasen, Dämpfen und Nebeln gelegentlich und mit höherer Wahrscheinlichkeit existiert. |
| ZONE 2 | Bereiche, in denen die explosionsfähige Atmosphäre durch Gase, Dämpfe oder Nebel selten und mit geringerer Wahrscheinlichkeit existieren. |

Jeder andere Bereich der Anlage wird als **SICHERE ZONE** bezeichnet.

Derzeit werden in Italien die Gefahrenbereiche aufgrund der vorhandenen Stoffe in folgende Klassen eingeteilt:

| | |
|-----------------|------------------------------|
| KLASSE 0 | Sprengstoffe (Dynamit) |
| KLASSE 1 | Gase oder Dämpfe (Benzine) |
| KLASSE 2 | Brennbare Stäube (Magnesium) |

ZÜNDSCHUTZARTEN

GRUNDSÄTZE

Nach der Bestimmung der verschiedenen Gefahrenbereiche einer Anlage ist es wesentlich, die für diese Zonen richtigen elektrischen Geräten zu wählen, um eine Explosion zu vermeiden, die aufgrund von zufällig entstehenden Funken oder einer Überhitzung verursacht werden können.

Grundsätzlich basieren die verschiedenen Zündschutzarten auf folgenden Prinzipien:

A - Die mögliche Explosion wird in druckfesten Kapselungen eingeschränkt (Ex-d).

B - Verwendung von elektrischen Komponenten, die in normalem Betriebszustand nicht funken und somit die Explosionsgefahr wesentlich reduzieren (Ex-e; Ex-n).

C - Die Energie im Stromkreis ist so niedrig, dass auch im Falle eines Defekts der Anlage, jede Zündung der explosiven Atmosphäre vermieden wird (Ex-i).

D - Die Berührung zwischen den elektrischen Komponenten (mögliche Zündursache) und der explosiven Atmosphäre wird verhindert (Ex-m; Ex-o; Ex-q; Ex-p).

KLASSIFIZIERUNG DER GEFAHRENZONEN IN EUROPA BEI DER EXISTENZ VON STÄUBE

In Europa wird die Norm EN 50281-1-1 befolgt und jede Gefahrenzone der Anlage muss somit bei der Existenz von Stäuben, wie folgt klassifiziert werden.

Durch brennbare Stäube explosionsgefährdete Bereiche:

| | |
|----------------|---|
| ZONE 20 | Bereiche, in denen eine explosionsfähige Atmosphäre aus Staub/ Luftgemischen besteht, die ständig, langfristig oder häufig existiert. |
| ZONE 21 | Bereiche, in denen die explosionsfähige Atmosphäre aus Staub/Luftgemischen gelegentlich und mit höherer Wahrscheinlichkeit existiert. |
| ZONE 22 | Bereiche, in denen die explosionsfähige Atmosphäre aus Staub /Luftgemischen selten und mit geringerer Wahrscheinlichkeit existieren. |

Jeder andere Bereich der Anlage wird als **SICHERE ZONE** bezeichnet.

Klassifizierung der Geräte

| Typisches Gefahrgas | EUROPA | Zündenergie |
|------------------------|-------------------------|-----------------------|
| Methan | Gruppe I (Bergwerke) | - |
| Acetylen | Gruppe IIC | > 20µ joules |
| Wasserstoff | Gruppe IIC | > 20µ joules |
| Äthylen | Gruppe IIB | > 60µ joules |
| Propan | Gruppe IIA | > 180µ joules |
| Metallpulver | In Vorbereitung | Schwerlich zündbar |
| Kohlenpulver | | |
| Kornpulver | | |
| Fasern | | |

EG Norm

| ALLGEMEINE ANFORDERUNGEN | | EN 60079-0 |
|--------------------------|--------------------------------|-------------|
| Ex"o" | Ölkapselung | EN 50015 |
| Ex"p" | Überdruckkapselung | EN 60079-2 |
| Ex"q" | Sandkapselung | EN 50017 |
| Ex"d" | Explosionsgeschützte Kapselung | EN 60079-1 |
| Ex"e" | Erhöhte Sicherheit | EN 60079-7 |
| Ex"i" | Eigensicherheit | EN 60079-11 |
| Ex"m" | Vergusskapselung | EN 60079-18 |

Klassifizierung der max. Oberflächentemperatur

| Max. Oberflächentemperatur (°C) | 450 | 300 | 200 | 135 | 100 | 85 |
|---------------------------------|-----|-----|-----|-----|-----|----|
| EUROPA | T1 | T2 | T3 | T4 | T5 | T6 |

SCHUTZARTEN (EN 60529)

| Erste Ziffer: Schutz gegen feste Fremdkörper | | Zweite Ziffer: Wasserschutz | |
|--|---|-----------------------------|--|
| IP | | IP | |
| 0 | Kein Schutz | 0 | Kein Schutz |
| 1 | Schutz gegen feste Fremdkörper 50 mm Durchmesser (z.B. Berührung mit Handrücken) | 1 | Schutz gegen senkrecht tropfendes Wasser |
| 2 | Schutz gegen feste Fremdkörper 12,5 mm Durchmesser (z.B. Berührung mit Fingern) | 2 | Schutz gegen schräg (15°) tropfendes Wasser |
| 3 | Schutz gegen feste Fremdkörper 2,5 mm Durchmesser (z.B. Berührung mit Werkzeugen) | 3 | Schutz gegen Sprühwasser schräg bis (60°) |
| 4 | Schutz gegen feste Fremdkörper 1 mm Durchmesser (z.B. Berührung mit einem Draht) | 4 | Schutz gegen Spritzwasser aus allen Richtungen |
| 5 | Staubgeschützt | 5 | Schutz gegen Strahlwasser |
| 6 | Staubdicht | 6 | Schutz gegen starkes Strahlwasser |
| | | 7 | Schutz gegen zeitweiliges Untertauchen in Wasser |
| | | 8 | Schutz gegen dauerndes Untertauchen in Wasser |

Kapselungsgruppen geeignet für bestimmte Gase oder Zünddämpfe

| GRUPPE | MESG (mm) | Gas oder Dampf |
|--------|----------------|--|
| I | | Methan (Grubengas) |
| IIA | 0,9 < MESG | Amylazetat Äthylazetat Methylazetat N-Butylazetat N-Propylazetat Azeton Amylalkohol Butylalkohol Äthylalkohol Ammoniak Benzol Butan Zyklohexan Chloräthylen Decan Heptan Hexan Äthanol Äthyl-Methyl-Keton Hochofengas Iso-Butanol Iso-Oktan Industriemethan Methanol Kohlenmonoxyd Äthyl-Nitrid N-Butanol Kohlenoxyd Pentan Propan Xylol |
| IIB | 0,5 < MESG 0,9 | 1:3 Butadien Äthyläther Äthylen Stadtgas Kokereigas Äthylenoxyd |
| IIC | < 0,5 MESG | Acetylen Wasserstoff Äthyl-Nitrat Schwefelkohlenstoff |

Technische Eigenschaften unserer explosionsgeschützten Produkte

Gehäuse aus Alulegierung - Kupferfrei

Außenhaube aus Borsilikatglas - Innere Haube aus Polycarbonat

Schutzgitter aus rostfreiem Stahl

Polyesterlackierung RAL 3020

Richtlinie - Normen: 94/9/EC - EN 60079-0 - EN 60079-1

Installation (nach EN 60079-10 und EN 50281-1-1):
Zone 1 - Zone 2 - Zone 21 - Zone 22



Nuestros productos antideflagrantes están omologados según la:

Norma 94/9/Ec "ATEX"

La nueva norma Atex Apéndice 4 y Apéndice 7, preve que los fabricantes de aparatos eléctricos a instalarse en zonas a riesgo de explosión a causa de la presencia de gas, vapores, nieblas o polvos inflamables, tengan un sistema de calidad certificado según la norma ISO 9000. Este sistema preve unos planos de calidad concebidos expresamente para el proyecto, la producción, el control y la asistencia de estos aparatos verificados constantemente por un organismo notificado.

Sirena a conseguido el certificado del Instituto Masini, que es el organismo notificado nº 0068. El certificado que atesta la conformidad según la Norma Atex es 0068/QPR-AT/031-2005.

CLASIFICACIÓN DE LAS ZONAS DE PELIGRO EN EUROPA PARA LA PRESENCIA DE GAS

En Europa la norma EN 60079-10, notifica que cada lugar peligroso debido a la presencia de gas o vapores deba clasificarse según la subdivisión en las tres zonas previstas por la norma misma:

| | |
|---------------|---|
| ZONA 0 | Zona en la cual una mezcla de gas explosivo está siempre presente (ej.: interno de un tanque de gasolina). |
| ZONA 1 | Zona en la cual una mezcla de gas explosivo puede estar presente en condiciones normales de funcionamiento de la instalación. |
| ZONA 2 | Zona en la cual una mezcla de gas explosivo no está normalmente presente, y en caso de que lo sea, sólo durante un breve período. |

Cualquiera otra parte de la instalación se considera **ZONA SEGURA**

Actualmente en Italia las zonas de peligro en base a las sustancias presentes se dividen en:

| | |
|----------------|-------------------------------|
| CLASE 0 | Material explosivo (Dinamita) |
| CLASE 1 | Gas o Vapores (Gasolina) |
| CLASE 2 | Polvos Inflamables (Magnesio) |

FORMAS DE PROTECCIÓN

CRITERIOS DE BASE

Una vez determinadas las distintas zonas de peligro en el interior de una instalación, es importante llevar a cabo la elección de los aparatos eléctricos que se pueden instalar en esta zona para evitar el peligro de explosión causado por unas chispas accidentales o por un aumento excesivo de la temperatura superficial.

Los criterios en relación a los cuales se basan los distintos tipos de protección son principalmente los siguientes:

A - La posible explosión es contenida en el interior de carcasas especiales a prueba de explosión (Ex-d).

B - La fiabilidad de los componentes eléctricos que no producen chispa en condición normal de empleo es aumentada y por lo tanto el riesgo de que el aparato pueda causar una explosión se reduce a niveles muy bajos (Ex-e ; Ex-n).

C - La energía desprendida en caso de avería del aparato es tan baja que evita cualquier inflamación de la atmósfera explosiva (Ex-i).

D - Se impide el contacto entre el componente eléctrico que puede ser causa de inflamación y la atmósfera explosiva (Ex-m ; Ex-o ; Ex-q ; Ex-p).

CLASIFICACIÓN DE LAS ZONAS DE PELIGRO EN EUROPA PARA LA PRESENCIA DE POLVOS

En Europa la norma EN 50281-1-1 notifica que cada lugar peligroso debido a la presencia de polvos deba clasificarse según la subdivisión en las tres zonas previstas por la norma misma:

| | |
|----------------|--|
| ZONA 20 | Zona en la cual un polvo explosivo está siempre presente. |
| ZONA 21 | Zona en la cual un polvo explosivo puede estar presente en condiciones normales de funcionamiento de la instalación. |
| ZONA 22 | Zona en la cual un polvo explosivo no está normalmente presente, y en caso de que lo sea, sólo durante un breve período. |

Cualquiera otra parte de la instalación se considera **ZONA SEGURA**

Clasificación de los aparatos

| Categoría de peligro | EUROPA | Energía de inflamación |
|----------------------|-----------------|-------------------------|
| Metano | Grupo I (Minas) | - |
| Acetileno | Grupo IIC | > 20µ joules |
| Hidrógeno | Grupo IIC | > 20µ joules |
| Etileno | Grupo IIB | > 60µ joules |
| Propano | Grupo IIA | > 180µ joules |
| Polvos metálicos | En preparación | Más difícil de inflamar |
| Polvos de carbón | | |
| Polvos de trigo | | |
| Fibras | | |

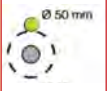

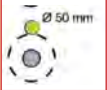



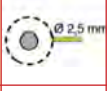

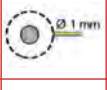


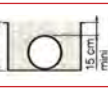


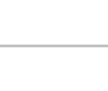

Normativa Comunidad Europea

| REGLAS GENERALES | | EN 60079-0 |
|------------------|-----------------------|-------------|
| Ex"o" | Baño en aceite | EN 50015 |
| Ex"p" | Sobrepresión interior | EN 60079-2 |
| Ex"q" | Por relleno de arena | EN 50017 |
| Ex"d" | A prueba de explosión | EN 60079-1 |
| Ex"e" | Seguridad aumentada | EN 60079-7 |
| Ex"i" | Seguridad intrínseca | EN 60079-11 |
| Ex"m" | Encapsulado | EN 60079-18 |

Clasificación de las temperaturas máximas de superficie

| Temperaturas máximas de superficie (° C) | 450 | 300 | 200 | 135 | 100 | 85 |
|--|-----|-----|-----|-----|-----|----|
| EUROPA | T1 | T2 | T3 | T4 | T5 | T6 |

ÍNDICES DE PROTECCIÓN (EN 60529)

| 1ª cifra: protección contra los cuerpos sólidos | | | 2ª cifra: protección contra los cuerpos líquidos | | |
|---|---|---|--|---|--|
| IP | | | IP | | |
| 0 |  | Sin protección | 0 |  | Sin protección |
| 1 |  | Protegido contra cuerpos sólidos superiores a 50 mm (ej.: contactos involuntarios de la mano) | 1 |  | Protegido contra las caídas verticales de gotas de agua (condensación) |
| 2 |  | Protegido contra cuerpos sólidos superiores a 12,5 mm (ej.: dedos de la mano) | 2 |  | Protegido contra las caídas de agua hasta 15° de la vertical |
| 3 |  | Protegido contra cuerpos sólidos superiores a 2,5 mm (ej.: herramientas, cables) | 3 |  | Protegido contra el agua de lluvia hasta 60° de la vertical |
| 4 |  | Protegido contra cuerpos sólidos superiores a 1 mm (ej.: herramientas finas, pequeños cables) | 4 |  | Protegido contra las proyecciones de agua en todas direcciones |
| 5 |  | Protegido contra el polvo (sin sedimentos perjudiciales) | 5 |  | Protegido contra el lanzamiento de agua similar a los golpes de mar |
| 6 |  | Totalmente protegidos contra el polvo | 6 |  | Protegido contra el lanzamiento de agua similar a los golpes de mar |
| | | | 7 |  | Protegido contra la inmersión |
| | | | 8 |  | Protegido contra los efectos prolongados de inmersión bajo presión |

Grupos de carcassas adecuadas para gas o vapores inflamables particulares

| GRUPO | MESG (mm) | Gas o vapor |
|-------|----------------|---|
| I | | Metano (grisú) |
| IIA | 0,9 < MESG | Acetato de amilo Acetato de etilo Acetato de metilo Acetato de n butilo Acetato de n propilo Acetona Alcohol amílico Alcohol butílico Alcohol etílico Amoníaco Benceno Butano Ciclohexano Cloroetileno Decano Heptano Hexano Etanol Etil-Metil-cetona Gas de alto horno Iso-butanol Iso-Octano Metano industrial Metanol Monóxido de carbono Nitruro de etileno N - butanol Óxido de carbono Pentano Propano Xileno |
| IIB | 0,5 < MESG 0,9 | Buta 1:3-diene Éter dietílico Etileno Gas de ciudad Gas de horno de cok Óxido de etileno |
| IIC | < 0,5 MESG | Acetileno Hidrógeno Nitrado de etilo Sulfuro de carbono |

Características técnicas de los productos de nuestra línea antideflagrante

Cuerpos en elección de aluminio sin cobre

Cúpula externa de vidrio boro silicato - cúpula interna de policarbonato

Rejilla de protección en acero INOX

Barnizado poliéster RAL 3020

Norma - Estándar: 94/9/EC - EN 60079-0 - EN 60079-1

Instalación (según EN 60079-10 y EN 50281-1-1):
Zona 1 - Zona 2 - Zona 21 - Zona 22



II 2 GD Ex d IIC Ex tD A21 - Spia luminosa antideflagrante II 2 GD Ex d IIC Ex tD A21 - Explosion-proof warning light

| | | | | | | | | | |
|---------------------------|------------|------|-------|---|---|------------|---|----|------------|
| V 12-24-48-110-240 (±10%) | | | — — — | | | ~ 50/60 Hz | | | |
| IP 66 | °C -20 +40 | On ∞ | 1 | 3 | 4 | 5 | 6 | PC | 1" ISO 7/1 |

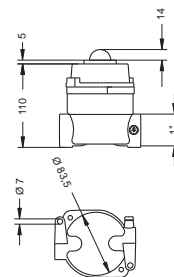
CESI 05 ATEX 062 T6

| | | | | | | |
|------------------|---------|----|----|----|-----|-----|
| LD 044 F BA9s | V — — — | 12 | 24 | 48 | - | - |
| | V ~ | | | | 110 | 240 |
| | mA | 27 | 20 | 20 | 17 | 18 |



EX 045 LD PAG SP

| | | | |
|-------------------|---------|-------------------|---------|
| EX045LDPAGSP12DA1 | ● 97051 | EX045LDPAGSP240A5 | ● 97095 |
| EX045LDPAGSP12DA3 | ● 97053 | EX045LDPAGSP240A6 | ○ 97096 |
| EX045LDPAGSP12DA4 | ● 97054 | EX045LDPAGSP24DA1 | ● 97061 |
| EX045LDPAGSP12DA5 | ● 97055 | EX045LDPAGSP24DA3 | ● 97063 |
| EX045LDPAGSP12DA6 | ○ 97056 | EX045LDPAGSP24DA4 | ● 97064 |
| EX045LDPAGSP48DA1 | ● 97071 | EX045LDPAGSP24DA5 | ● 97065 |
| EX045LDPAGSP48DA3 | ● 97073 | EX045LDPAGSP24DA6 | ○ 97066 |
| EX045LDPAGSP48DA4 | ● 97074 | EX045LDPAGSP110A1 | ● 97081 |
| EX045LDPAGSP48DA5 | ● 97075 | EX045LDPAGSP110A3 | ● 97083 |
| EX045LDPAGSP48DA6 | ○ 97076 | EX045LDPAGSP110A4 | ● 97084 |
| EX045LDPAGSP240A1 | ● 97091 | EX045LDPAGSP110A5 | ● 97085 |
| EX045LDPAGSP240A3 | ● 97093 | EX045LDPAGSP110A6 | ○ 97086 |
| EX045LDPAGSP240A4 | ● 97094 | | |



Kg. 0,61



II 2 GD Ex de IIC Ex tD A21 - Luci fisse antideflagranti II 2 GD Ex de IIC Ex tD A21 - Explosion-proof continuous light beacons

| | | | | | | | | | | |
|---------------------------|------------|------|-------|---|---|------------|---|---|----|----------|
| V 12-24-48-110-240 (±10%) | | | — — — | | | ~ 50/60 Hz | | | | |
| IP 66 | °C -25 +50 | On ∞ | 1 | 2 | 3 | 4 | 5 | 6 | PC | M25x1.5* |

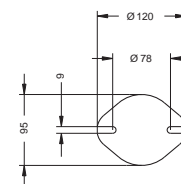
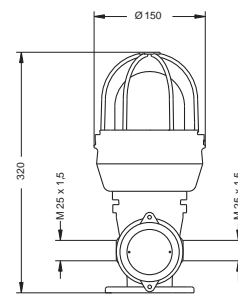
CESI 05 ATEX 043 T6

| | | | | | | |
|---------------------------|---------|-----|-----|-----|-----|-----|
| BA 15d 5W LR BA 15d 5W | V — — — | 12 | 24 | 48 | 110 | 240 |
| | V ~ | | | | | |
| | mA | 430 | 210 | 100 | 35 | 22 |
| | Cd (p) | 3.6 | 2.7 | 2.7 | 2.3 | 2.3 |



EX 050 OVO F **

| | | | |
|----------------|---------|-----------------|---------|
| EX050OVOF12DA1 | ● 95171 | EX050OVOF48DA4 | ● 95194 |
| EX050OVOF12DA2 | ● 95172 | EX050OVOF48DA5 | ● 95195 |
| EX050OVOF12DA3 | ● 95173 | EX050OVOF48DA6 | ○ 95196 |
| EX050OVOF12DA4 | ● 95174 | EX050OVOF110DA1 | ● 95201 |
| EX050OVOF12DA5 | ● 95175 | EX050OVOF110DA2 | ● 95202 |
| EX050OVOF12DA6 | ○ 95176 | EX050OVOF110DA3 | ● 95203 |
| EX050OVOF24DA1 | ● 95181 | EX050OVOF110DA4 | ● 95204 |
| EX050OVOF24DA2 | ● 95182 | EX050OVOF110DA5 | ● 95205 |
| EX050OVOF24DA3 | ● 95183 | EX050OVOF110DA6 | ○ 95206 |
| EX050OVOF24DA4 | ● 95184 | EX050OVOF240DA1 | ● 95211 |
| EX050OVOF24DA5 | ● 95185 | EX050OVOF240DA2 | ● 95212 |
| EX050OVOF24DA6 | ○ 95186 | EX050OVOF240DA3 | ● 95213 |
| EX050OVOF48DA1 | ● 95191 | EX050OVOF240DA4 | ● 95214 |
| EX050OVOF48DA2 | ● 95192 | EX050OVOF240DA5 | ● 95215 |
| EX050OVOF48DA3 | ● 95193 | EX050OVOF240DA6 | ○ 95216 |



Kg. 2,58

**Disponibile versione a LED integrati (a richiesta)
LED integrated version available (on request)



II 2 GD Ex de IIC Ex tD A21 - Luci lampeggianti antideflagranti II 2 GD Ex de IIC Ex tD A21 - Explosion-proof flashing beacons

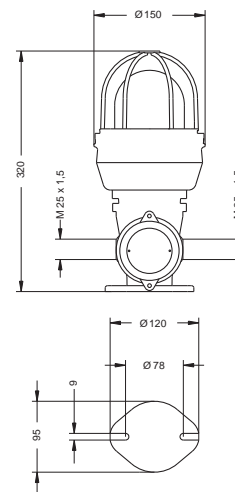
| | | | | | | |
|----|-------------------------|----|---------|----------|-------------|--------------|
| V | 12-24-48-110-240 (±10%) | | | 50/60 Hz | Flash/min | 110±20 |
| IP | 66 | °C | -25 +50 | On | | |
| | | | | | 1 2 3 4 5 6 | PC M25x1.5* |



EX 050 OVO L

| | | CESI 05 ATEX 043 | | | | T6 |
|--|--------|------------------|-----|-----|-----|-----|
| | V | 12 | 24 | 48 | - | - |
| | V | - | 24 | 48 | 110 | 240 |
| | mA | 430 | 210 | 100 | 35 | 22 |
| | Cd (p) | 3.6 | 2.7 | 2.7 | 2.3 | 2.3 |

| | | | |
|---------------|---------|----------------|---------|
| EX0500VOL12D1 | ● 95101 | EX0500VOL48D4 | ● 95134 |
| EX0500VOL12D2 | ● 95102 | EX0500VOL48D5 | ● 95135 |
| EX0500VOL12D3 | ● 95103 | EX0500VOL48D6 | ○ 95136 |
| EX0500VOL12D4 | ● 95104 | EX0500VOL48A1 | ● 95141 |
| EX0500VOL12D5 | ● 95105 | EX0500VOL48A2 | ● 95142 |
| EX0500VOL12D6 | ○ 95106 | EX0500VOL48A3 | ● 95143 |
| EX0500VOL24D1 | ● 95111 | EX0500VOL48A4 | ● 95144 |
| EX0500VOL24D2 | ● 95112 | EX0500VOL48A5 | ● 95145 |
| EX0500VOL24D3 | ● 95113 | EX0500VOL48A6 | ○ 95146 |
| EX0500VOL24D4 | ● 95114 | EX0500VOL110A1 | ● 95151 |
| EX0500VOL24D5 | ● 95115 | EX0500VOL110A2 | ● 95152 |
| EX0500VOL24D6 | ○ 95116 | EX0500VOL110A3 | ● 95153 |
| EX0500VOL24A1 | ● 95121 | EX0500VOL110A4 | ● 95154 |
| EX0500VOL24A2 | ● 95122 | EX0500VOL110A5 | ● 95155 |
| EX0500VOL24A3 | ● 95123 | EX0500VOL110A6 | ○ 95156 |
| EX0500VOL24A4 | ● 95124 | EX0500VOL240A1 | ● 95161 |
| EX0500VOL24A5 | ● 95125 | EX0500VOL240A2 | ● 95162 |
| EX0500VOL24A6 | ○ 95126 | EX0500VOL240A3 | ● 95163 |
| EX0500VOL48D1 | ● 95131 | EX0500VOL240A4 | ● 95164 |
| EX0500VOL48D2 | ● 95132 | EX0500VOL240A5 | ● 95165 |
| EX0500VOL48D3 | ● 95133 | EX0500VOL240A6 | ○ 95166 |



Kg. 2,58



II 2 GD Ex de IIC Ex tD A21 - Luci lampeggianti a led integrati antideflagranti II 2 GD Ex de IIC Ex tD A21 - Explosion-proof led integrated flashing beacons

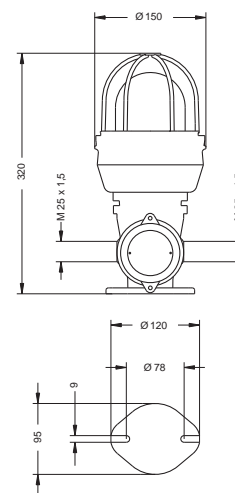
| | | | | | | |
|----|----------------------|----|---------|----------|-------------|--------------|
| V | 24-48-110-240 (±10%) | | | 50/60 Hz | Flash/min | 150±20 |
| IP | 66 | °C | -25 +50 | On | | |
| | | | | | 1 2 3 4 5 6 | PC M25x1.5* |



EX 050 LD 125 OVO

| | CESI 05 ATEX 043 | | | | T6 |
|----------|------------------|----|-----|-----|----|
| V | 24 | 48 | 110 | 240 | |
| V | | | | | |
| ● ● ● mA | 90 | 65 | 20 | 20 | |
| ● ● ○ mA | 80 | 65 | 20 | 20 | |

| | | | |
|--------------------|---------|--------------------|---------|
| EX050LD1250V024DA1 | ● 95221 | EX050LD1250V0110A1 | ● 95241 |
| EX050LD1250V024DA2 | ● 95222 | EX050LD1250V0110A2 | ● 95242 |
| EX050LD1250V024DA3 | ● 95223 | EX050LD1250V0110A3 | ● 95243 |
| EX050LD1250V024DA4 | ● 95224 | EX050LD1250V0110A4 | ● 95244 |
| EX050LD1250V024DA5 | ● 95225 | EX050LD1250V0110A5 | ● 95245 |
| EX050LD1250V024DA6 | ○ 95226 | EX050LD1250V0110A6 | ○ 95246 |
| EX050LD1250V048DA1 | ● 95231 | EX050LD1250V0240A1 | ● 95251 |
| EX050LD1250V048DA2 | ● 95232 | EX050LD1250V0240A2 | ● 95252 |
| EX050LD1250V048DA3 | ● 95233 | EX050LD1250V0240A3 | ● 95253 |
| EX050LD1250V048DA4 | ● 95234 | EX050LD1250V0240A4 | ● 95254 |
| EX050LD1250V048DA5 | ● 95235 | EX050LD1250V0240A5 | ● 95255 |
| EX050LD1250V048DA6 | ○ 95236 | EX050LD1250V0240A6 | ○ 95256 |



Kg. 2,56



II 2 GD Ex de IIC Ex tD A21 - Luci xeno antideflagranti

II 2 GD Ex de IIC Ex tD A21 - Explosion-proof xenon flashing beacons

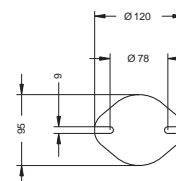
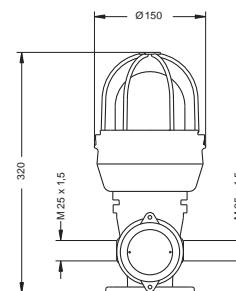
| | | | | | |
|---------------------|------------|----|----------------|-------------|-------------------|
| V 24-110-240 (±10%) | | | J ₂ | 2F | Flash/min 2x65±10 |
| IP 66 | °C -20 +40 | On | | 1 2 3 4 5 6 | PC |



EX 050 OVO X

| | | CESI 05 ATEX 043 | | | T6 |
|--------------------|--------|------------------|-----|-----|----|
| 2F | V | - | - | - | - |
| | V | 24 | 110 | 240 | |
| | mA | 360 | 50 | 65 | |
| | Cd (p) | 180 | 68 | 135 | |
| XENON 2J LAX 2J | | 90 | 32 | 90 | |
| | | 270 | 100 | 225 | |

| | | | |
|----------------|---------|----------------|---------|
| EX0500VOX24DA1 | ● 95261 | EX0500VOX110A4 | ● 95274 |
| EX0500VOX24DA2 | ● 95262 | EX0500VOX110A5 | ● 95275 |
| EX0500VOX24DA3 | ● 95263 | EX0500VOX110A6 | ○ 95276 |
| EX0500VOX24DA4 | ● 95264 | EX0500VOX240A1 | ● 95281 |
| EX0500VOX24DA5 | ● 95265 | EX0500VOX240A2 | ● 95282 |
| EX0500VOX24DA6 | ○ 95266 | EX0500VOX240A3 | ● 95283 |
| EX0500VOX110A1 | ● 95271 | EX0500VOX240A4 | ● 95284 |
| EX0500VOX110A2 | ● 95272 | EX0500VOX240A5 | ● 95285 |
| EX0500VOX110A3 | ● 95273 | EX0500VOX240A6 | ○ 95286 |



Kg. 2,58



II 2 GD Ex de IIC Ex tD A21 - Luci fisse antideflagranti

II 2 GD Ex de IIC Ex tD A21 - Explosion-proof continuous light beacons

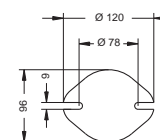
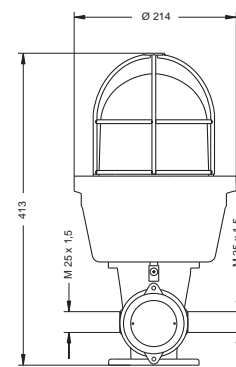
| | | | |
|---------------------------|----|--|----------------|
| V 12-24-48-110-240 (±10%) | | | IP 66 |
| °C -25 +50 | On | | 1 2 3 4 5 6 PC |



EX 070 MF F **

| | | CESI 05 ATEX 043 | | | | T6 |
|-----------------------------|--------|------------------|-----|------|------|------|
| | V | 12 | 24 | 48 | 110 | 240 |
| | V | 2.1 | 1.1 | 0.52 | 0.22 | 0.10 |
| | A | 2.1 | 1.1 | 0.52 | 0.22 | 0.10 |
| BA 15d 25W LR BA 15d 25W | Cd (p) | 135 | 180 | 240 | 27 | 40 |

| | | | |
|---------------|---------|----------------|---------|
| EX070MFF12DA1 | ● 95361 | EX070MFF48DA4 | ● 95384 |
| EX070MFF12DA2 | ● 95362 | EX070MFF48DA5 | ● 95385 |
| EX070MFF12DA3 | ● 95363 | EX070MFF48DA6 | ○ 95386 |
| EX070MFF12DA4 | ● 95364 | EX070MFF110DA1 | ● 95391 |
| EX070MFF12DA5 | ● 95365 | EX070MFF110DA2 | ● 95392 |
| EX070MFF12DA6 | ○ 95366 | EX070MFF110DA3 | ● 95393 |
| EX070MFF24DA1 | ● 95371 | EX070MFF110DA4 | ● 95394 |
| EX070MFF24DA2 | ● 95372 | EX070MFF110DA5 | ● 95395 |
| EX070MFF24DA3 | ● 95373 | EX070MFF110DA6 | ○ 95396 |
| EX070MFF24DA4 | ● 95374 | EX070MFF240DA1 | ● 95401 |
| EX070MFF24DA5 | ● 95375 | EX070MFF240DA2 | ● 95402 |
| EX070MFF24DA6 | ○ 95376 | EX070MFF240DA3 | ● 95403 |
| EX070MFF48DA1 | ● 95381 | EX070MFF240DA4 | ● 95404 |
| EX070MFF48DA2 | ● 95382 | EX070MFF240DA5 | ● 95405 |
| EX070MFF48DA3 | ● 95383 | EX070MFF240DA6 | ○ 95406 |



Kg. 4,63

**Disponibile versione a LED integrati (a richiesta)
LED integrated version available (on request)



II 2 GD Ex de IIC Ex tD A21 - Luci lampeggianti antideflagranti

II 2 GD Ex de IIC Ex tD A21 - Explosion-proof flashing beacons

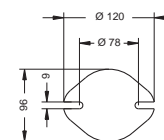
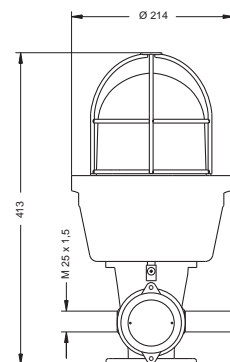
| | | | | |
|----------------------------------|-------------------|-------------|-------------------|-------------------------|
| V 12-24-48-110-240 (±10%) | | == | ~ 50/60 Hz | Flash/min 110±20 |
| IP 66 | °C -25 +50 | On ∞ | | 1 2 3 4 5 6 PC |
| | | | | M25x1.5* |



EX 070 MF L

| | CESI 05 ATEX 043 | | | | T6 | |
|-----------------------------|------------------|-----|-----|------|------|------|
| | V == | 24 | 48 | - | - | - |
| | V ~ | - | 24 | 48 | 110 | 240 |
| BA 15d 25W LR BA 15d 25W | A | 2.2 | 1.1 | 0.52 | 0.22 | 0.10 |
| | Cd (p) | 135 | 180 | 240 | 27 | 40 |

| | | | |
|--------------|---------|---------------|---------|
| EX070MFL12D1 | ● 95291 | EX070MFL48D4 | ● 95324 |
| EX070MFL12D2 | ● 95292 | EX070MFL48D5 | ● 95325 |
| EX070MFL12D3 | ● 95293 | EX070MFL48D6 | ○ 95326 |
| EX070MFL12D4 | ● 95294 | EX070MFL48A1 | ● 95331 |
| EX070MFL12D5 | ● 95295 | EX070MFL48A2 | ● 95332 |
| EX070MFL12D6 | ○ 95296 | EX070MFL48A3 | ● 95333 |
| EX070MFL24D1 | ● 95301 | EX070MFL48A4 | ● 95334 |
| EX070MFL24D2 | ● 95302 | EX070MFL48A5 | ● 95335 |
| EX070MFL24D3 | ● 95303 | EX070MFL48A6 | ○ 95336 |
| EX070MFL24D4 | ● 95304 | EX070MFL110A1 | ● 95341 |
| EX070MFL24D5 | ● 95305 | EX070MFL110A2 | ● 95342 |
| EX070MFL24D6 | ○ 95306 | EX070MFL110A3 | ● 95343 |
| EX070MFL24A1 | ● 95311 | EX070MFL110A4 | ● 95344 |
| EX070MFL24A2 | ● 95312 | EX070MFL110A5 | ● 95345 |
| EX070MFL24A3 | ● 95313 | EX070MFL110A6 | ○ 95346 |
| EX070MFL24A4 | ● 95314 | EX070MFL240A1 | ● 95351 |
| EX070MFL24A5 | ● 95315 | EX070MFL240A2 | ● 95352 |
| EX070MFL24A6 | ○ 95316 | EX070MFL240A3 | ● 95353 |
| EX070MFL48D1 | ● 95321 | EX070MFL240A4 | ● 95354 |
| EX070MFL48D2 | ● 95322 | EX070MFL240A5 | ● 95355 |
| EX070MFL48D3 | ● 95323 | EX070MFL240A6 | ○ 95356 |



Kg. 4,63



II 2 GD Ex de IIC Ex tD A21 - Luci lampeggianti a led integrati antideflagranti

II 2 GD Ex de IIC Ex tD A21 - Explosion-proof led integrated flashing beacons

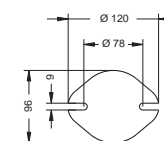
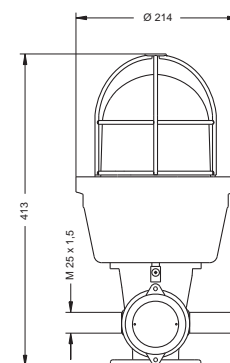
| | | | | |
|-------------------------------|-------------------|-------------|-------------------|-------------------------|
| V 24-48-110-240 (±10%) | | == | ~ 50/60 Hz | Flash/min 150±20 |
| IP 66 | °C -25 +50 | On ∞ | | 1 2 3 4 5 6 PC |
| | | | | M25x1.5* |



EX 070 LD 365 MN

| | CESI 05 ATEX 043 | | | | T6 | |
|-------|------------------|-----|-----|-----|-----|-----|
| | V == | 24 | 48 | 110 | 240 | - |
| ● ● ● | V ~ | - | 24 | 48 | 110 | 240 |
| ● ● ● | mA | 180 | 170 | 40 | 40 | - |
| ● ● ○ | mA | 170 | 180 | 40 | 40 | - |

| | | | |
|-------------------|---------|-------------------|---------|
| EX070LD365MN24DA1 | ● 95411 | EX070LD365MN110A1 | ● 95431 |
| EX070LD365MN24DA2 | ● 95412 | EX070LD365MN110A2 | ● 95432 |
| EX070LD365MN24DA3 | ● 95413 | EX070LD365MN110A3 | ● 95433 |
| EX070LD365MN24DA4 | ● 95414 | EX070LD365MN110A4 | ● 95434 |
| EX070LD365MN24DA5 | ● 95415 | EX070LD365MN110A5 | ● 95435 |
| EX070LD365MN24DA6 | ○ 95416 | EX070LD365MN110A6 | ○ 95436 |
| EX070LD365MN48DA1 | ● 95421 | EX070LD365MN240A1 | ● 95441 |
| EX070LD365MN48DA2 | ● 95422 | EX070LD365MN240A2 | ● 95442 |
| EX070LD365MN48DA3 | ● 95423 | EX070LD365MN240A3 | ● 95443 |
| EX070LD365MN48DA4 | ● 95424 | EX070LD365MN240A4 | ● 95444 |
| EX070LD365MN48DA5 | ● 95425 | EX070LD365MN240A5 | ● 95445 |
| EX070LD365MN48DA6 | ○ 95426 | EX070LD365MN240A6 | ○ 95446 |



Kg. 4,68



II 2 GD Ex de IIC Ex tD A21 - Luci xeno antideflagranti II 2 GD Ex de IIC Ex tD A21 - Explosion-proof xenon flashing beacons

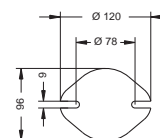
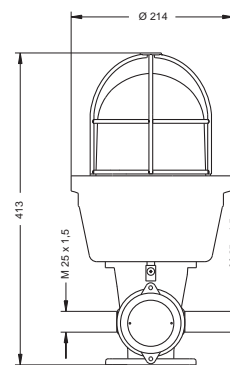
| | | | | | | |
|-------------------------------|-------------------|-----------|----------|----------------------|-----------|------------------------|
| V 12÷24-110-240 (±10%) | | | 50/60 Hz | J₂ | 1F | Flash/min 65±10 |
| IP 66 | °C -20 +40 | On | | 1 2 3 4 5 6 | PC | M25x1.5* |



EX 070 XF

| | | CESI 05 ATEX 043 | | T6 | |
|-------------------------------------|---------------|------------------|-----|------|------|
| 1F XENON 2J LRX 2J | V | 12÷24 | | - | - |
| | V | 12÷24 | | 110 | 240 |
| | mA | 400 | 350 | 65 | 40 |
| | Cd (p) | 630 | 900 | 1170 | 1305 |

| | | | |
|-----------------|---------|--------------|---------|
| EX070XF12/24DA1 | ● 95451 | EX070XF110A4 | ● 95464 |
| EX070XF12/24DA2 | ● 95452 | EX070XF110A5 | ● 95465 |
| EX070XF12/24DA3 | ● 95453 | EX070XF110A6 | ○ 95466 |
| EX070XF12/24DA4 | ● 95454 | EX070XF240A1 | ● 95471 |
| EX070XF12/24DA5 | ● 95455 | EX070XF240A2 | ● 95472 |
| EX070XF12/24DA6 | ○ 95456 | EX070XF240A3 | ● 95473 |
| EX070XF110A1 | ● 95461 | EX070XF240A4 | ● 95474 |
| EX070XF110A2 | ● 95462 | EX070XF240A5 | ● 95475 |
| EX070XF110A3 | ● 95463 | EX070XF240A6 | ○ 95476 |



Kg. 4,59



II 2 GD Ex de IIC Ex tD A21 - Luci fisse antideflagranti II 2 GD Ex de IIC Ex tD A21 - Explosion-proof continuous light beacons

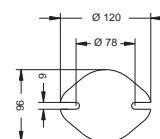
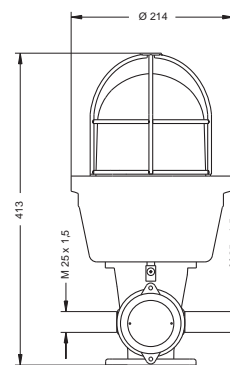
| | | | |
|----------------------------------|-------------------|-----------|----------|
| V 12-24-48-110-240 (±10%) | | | 50/60 Hz |
| IP 66 | °C -25 +50 | On | |



EX 070 MAF F**

| | | CESI 05 ATEX 043 | | | | T6 | |
|---------------------------------|---------------|------------------|-----|------|------|------|--|
| BA 15d 25W LR BA 15d 25W | V | 12 | 24 | 48 | 110 | 240 | |
| | V | 12 | 24 | 48 | 110 | 240 | |
| | A | 2.1 | 1.1 | 0.52 | 0.22 | 0.10 | |
| | Cd (p) | 121 | 126 | 126 | 18 | 27 | |

| | | | |
|----------------|---------|-----------------|---------|
| EX070MAFF12DA1 | ● 95551 | EX070MAFF48DA4 | ● 95574 |
| EX070MAFF12DA2 | ● 95552 | EX070MAFF48DA5 | ● 95575 |
| EX070MAFF12DA3 | ● 95553 | EX070MAFF48DA6 | ○ 95576 |
| EX070MAFF12DA4 | ● 95554 | EX070MAFF110DA1 | ● 95581 |
| EX070MAFF12DA5 | ● 95555 | EX070MAFF110DA2 | ● 95582 |
| EX070MAFF12DA6 | ○ 95556 | EX070MAFF110DA3 | ● 95583 |
| EX070MAFF24DA1 | ● 95561 | EX070MAFF110DA4 | ● 95584 |
| EX070MAFF24DA2 | ● 95562 | EX070MAFF110DA5 | ● 95585 |
| EX070MAFF24DA3 | ● 95563 | EX070MAFF110DA6 | ○ 95586 |
| EX070MAFF24DA4 | ● 95564 | EX070MAFF240DA1 | ● 95591 |
| EX070MAFF24DA5 | ● 95565 | EX070MAFF240DA2 | ● 95592 |
| EX070MAFF24DA6 | ○ 95566 | EX070MAFF240DA3 | ● 95593 |
| EX070MAFF48DA1 | ● 95571 | EX070MAFF240DA4 | ● 95594 |
| EX070MAFF48DA2 | ● 95572 | EX070MAFF240DA5 | ● 95595 |
| EX070MAFF48DA3 | ● 95573 | EX070MAFF240DA6 | ○ 95596 |



Kg. 4,68

**Disponibile versione a LED integrati (a richiesta)
LED integrated version available (on request)



II 2 GD Ex de IIC Ex tD A21 - Luci lampeggianti antideflagranti II 2 GD Ex de IIC Ex tD A21 - Explosion-proof flashing beacons

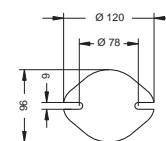
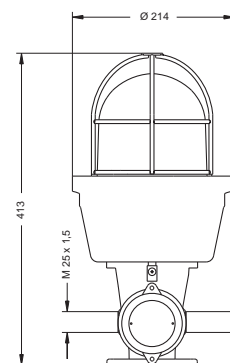
| | | | | |
|----------------------------------|-------------------|-------------|-------------------|-------------------------|
| V 12-24-48-110-240 (±10%) | | == | ~ 50/60 Hz | Flash/min 110±20 |
| IP 66 | °C -25 +50 | On ∞ | | 1 2 3 4 5 6 PC |



EX 070 MAF L

| | CESI 05 ATEX 043 | | | | T6 | |
|---------------------------------|------------------|-----|-----|------|------|------|
| BA 15d 25W LR BA 15d 25W | V == | 12 | 24 | 48 | - | - |
| | V ~ | - | 24 | 48 | 110 | 240 |
| | A | 2.2 | 1.1 | 0.52 | 0.22 | 0.10 |
| | Cd (p) | 121 | 126 | 126 | 18 | 27 |

| | | |
|-----------------------|-----------------------|------------------------|
| EX070MAFL12D1 ● 95481 | EX070MAFL24A3 ● 95503 | EX070MAFL48A5 ● 95525 |
| EX070MAFL12D2 ● 95482 | EX070MAFL24A4 ● 95504 | EX070MAFL48A6 ○ 95526 |
| EX070MAFL12D3 ● 95483 | EX070MAFL24A5 ● 95505 | EX070MAFL110A1 ● 95531 |
| EX070MAFL12D4 ● 95484 | EX070MAFL24A6 ○ 95506 | EX070MAFL110A2 ● 95532 |
| EX070MAFL12D5 ● 95485 | EX070MAFL48D1 ● 95511 | EX070MAFL110A3 ● 95533 |
| EX070MAFL12D6 ○ 95486 | EX070MAFL48D2 ● 95512 | EX070MAFL110A4 ● 95534 |
| EX070MAFL24D1 ● 95491 | EX070MAFL48D3 ● 95513 | EX070MAFL110A5 ● 95535 |
| EX070MAFL24D2 ● 95492 | EX070MAFL48D4 ● 95514 | EX070MAFL110A6 ○ 95536 |
| EX070MAFL24D3 ● 95493 | EX070MAFL48D5 ● 95515 | EX070MAFL240A1 ● 95541 |
| EX070MAFL24D4 ● 95494 | EX070MAFL48D6 ○ 95516 | EX070MAFL240A2 ● 95542 |
| EX070MAFL24D5 ● 95495 | EX070MAFL48A1 ● 95521 | EX070MAFL240A3 ● 95543 |
| EX070MAFL24D6 ○ 95496 | EX070MAFL48A2 ● 95522 | EX070MAFL240A4 ● 95544 |
| EX070MAFL24A1 ● 95501 | EX070MAFL48A3 ● 95523 | EX070MAFL240A5 ● 95545 |
| EX070MAFL24A2 ● 95502 | EX070MAFL48A4 ● 95524 | EX070MAFL240A6 ○ 95546 |



Kg. 4,68



II 2 GD Ex de IIC Ex tD A21 - Luci lampeggianti a led integrati antideflagranti II 2 GD Ex de IIC Ex tD A21 - Explosion-proof led integrated flashing beacons

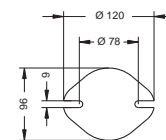
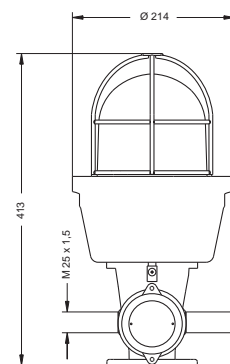
| | | | | |
|-------------------------------|-------------------|-------------|-------------------|-------------------------|
| V 24-48-110-240 (±10%) | | == | ~ 50/60 Hz | Flash/min 150±20 |
| IP 66 | °C -25 +50 | On ∞ | | 1 2 3 4 5 6 PC |

| | CESI 05 ATEX 043 | | T6 | |
|-------------|------------------|-----|-----|-----|
| V == | 24 | 48 | 110 | 240 |
| V ~ | 24 | 48 | 110 | 240 |
| ● ● ● mA | 180 | 170 | 40 | 40 |
| ● ● ○ mA | 170 | 170 | 40 | 40 |



EX 070 LD 455 MX

| | |
|---------------------------|---------------------------|
| EX070LD455MX24DA1 ● 95601 | EX070LD455MX110A1 ● 95621 |
| EX070LD455MX24DA2 ● 95602 | EX070LD455MX110A2 ● 95622 |
| EX070LD455MX24DA3 ● 95603 | EX070LD455MX110A3 ● 95623 |
| EX070LD455MX24DA4 ● 95604 | EX070LD455MX110A4 ● 95624 |
| EX070LD455MX24DA5 ● 95605 | EX070LD455MX110A5 ● 95625 |
| EX070LD455MX24DA6 ○ 95606 | EX070LD455MX110A6 ○ 95626 |
| EX070LD455MX48DA1 ● 95611 | EX070LD455MX240A1 ● 95631 |
| EX070LD455MX48DA2 ● 95612 | EX070LD455MX240A2 ● 95632 |
| EX070LD455MX48DA3 ● 95613 | EX070LD455MX240A3 ● 95633 |
| EX070LD455MX48DA4 ● 95614 | EX070LD455MX240A4 ● 95634 |
| EX070LD455MX48DA5 ● 95615 | EX070LD455MX240A5 ● 95635 |
| EX070LD455MX48DA6 ○ 95616 | EX070LD455MX240A6 ○ 95636 |



Kg. 4,73



II 2 GD Ex de IIC Ex tD A21 - Luci xeno antideflagranti II 2 GD Ex de IIC Ex tD A21 - Explosion-proof xenon flashing beacons

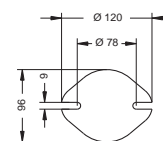
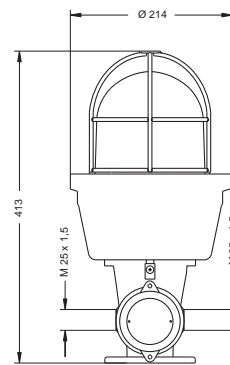
| | | | | | |
|-------------------------------|-------------------|-----------|----------------------|-------------|------------------------|
| V 12÷24-110-240 (±10%) | | 50/60 Hz | J₆ | 1F | Flash/min 65±10 |
| IP 66 | °C -20 +40 | On | | 1 2 3 4 5 6 | PC M25x1.5* |



EX 070 MXF

| | | CESI 05 ATEX 043 | | T6 | |
|---------------|---------------|------------------|------|------|------|
| 1F | V | 12÷24 | | - | - |
| | V | 12÷24 | | 110 | 240 |
| | A | 1 | 0.75 | 0.11 | 0.09 |
| | Cd (p) | 2700 | 3600 | 1800 | 4500 |

| | | | |
|------------------|---------|---------------|---------|
| EX070MXF12/24DA1 | ● 95641 | EX070MXF110A4 | ● 95654 |
| EX070MXF12/24DA2 | ● 95642 | EX070MXF110A5 | ● 95655 |
| EX070MXF12/24DA3 | ● 95643 | EX070MXF110A6 | ○ 95656 |
| EX070MXF12/24DA4 | ● 95644 | EX070MXF240A1 | ● 95661 |
| EX070MXF12/24DA5 | ● 95645 | EX070MXF240A2 | ● 95662 |
| EX070MXF12/24DA6 | ○ 95646 | EX070MXF240A3 | ● 95663 |
| EX070MXF110A1 | ● 95651 | EX070MXF240A4 | ● 95664 |
| EX070MXF110A2 | ● 95652 | EX070MXF240A5 | ● 95665 |
| EX070MXF110A3 | ● 95653 | EX070MXF240A6 | ○ 95666 |



Kg. 4,83



II 2 GD Ex de IIC Ex tD A21 - Luci xeno multitensione antideflagranti II 2 GD Ex de IIC Ex tD A21 - Multi-voltage xenon flashing beacons

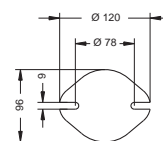
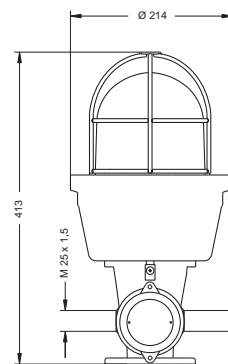
| | | | | |
|-----------------|-------------------|----------------------|-----------|-------------------------|
| V 10÷100 | | J₁ | 1F | Flash/min 60÷130 |
| IP 66 | °C -20 +40 | On | 2 | PC M25x1.5* |



EX 070 MXF ELEV

| | | CESI 05 ATEX 043 | | T6 | |
|---------------|---------------|------------------|--|----|--|
| 1F | V | 10÷100 | | | |
| | mA | 50÷220 | | | |
| | Cd (p) | 1620 | | | |

| | |
|---------------------|---------|
| EX070MXFELE10/100D2 | ● 95672 |
|---------------------|---------|



Kg. 4,83



II 2 GD Ex de IIC Ex tD A21 - Luci fisse antideflagranti

II 2 GD Ex de IIC Ex tD A21 - Explosion-proof continuous light beacons

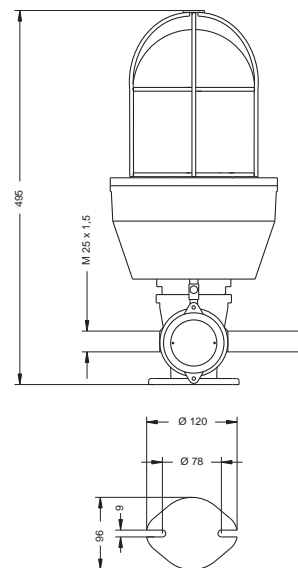
| | | | | | | |
|---------------------------|------------|------|--|-------------|----|----------|
| V 12-24-48-110-240 (±10%) | | | | 50/60 Hz | | |
| IP 66 | °C -25 +50 | On ∞ | | 1 2 3 4 5 6 | PC | |
| | | | | | | M25x1.5* |



EX 080 BABY F**

| | CESI 05 ATEX 043 | | | | | T6 |
|--|------------------|-----|-----|------|------|------|
| | V | 12 | 24 | 48 | 110 | 240 |
| | V | - | 24 | 48 | 110 | 240 |
| | A | 2.1 | 1.1 | 0.52 | 0.22 | 0.10 |
| | Cd (p) | 90 | 63 | 54 | 67 | 72 |

| | | | |
|-----------------|---------|------------------|---------|
| EX080BABYF12DA1 | ● 95811 | EX080BABYF48DA4 | ● 95834 |
| EX080BABYF12DA2 | ● 95812 | EX080BABYF48DA5 | ● 95835 |
| EX080BABYF12DA3 | ● 95813 | EX080BABYF48DA6 | ○ 95836 |
| EX080BABYF12DA4 | ● 95814 | EX080BABYF110DA1 | ● 95841 |
| EX080BABYF12DA5 | ● 95815 | EX080BABYF110DA2 | ● 95842 |
| EX080BABYF12DA6 | ○ 95816 | EX080BABYF110DA3 | ● 95843 |
| EX080BABYF24DA1 | ● 95821 | EX080BABYF110DA4 | ● 95844 |
| EX080BABYF24DA2 | ● 95822 | EX080BABYF110DA5 | ● 95845 |
| EX080BABYF24DA3 | ● 95823 | EX080BABYF110DA6 | ○ 95846 |
| EX080BABYF24DA4 | ● 95824 | EX080BABYF240DA1 | ● 95851 |
| EX080BABYF24DA5 | ● 95825 | EX080BABYF240DA2 | ● 95852 |
| EX080BABYF24DA6 | ○ 95826 | EX080BABYF240DA3 | ● 95853 |
| EX080BABYF48DA1 | ● 95831 | EX080BABYF240DA4 | ● 95854 |
| EX080BABYF48DA2 | ● 95832 | EX080BABYF240DA5 | ● 95855 |
| EX080BABYF48DA3 | ● 95833 | EX080BABYF240DA6 | ○ 95856 |



Kg. 7,19

**Disponibile versione a LED integrati (a richiesta)
LED integrated version available (on request)



II 2 GD Ex de IIC Ex tD A21 - Luci lampeggianti antideflagranti

II 2 GD Ex de IIC Ex tD A21 - Explosion-proof flashing beacons

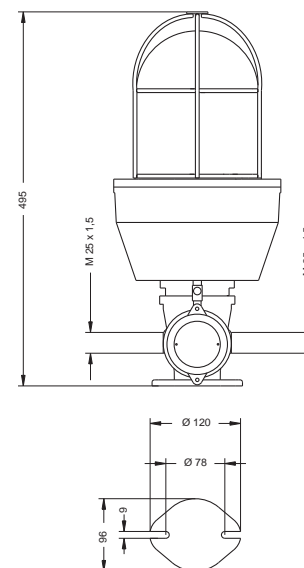
| | | | | | | |
|---------------------------|------------|------|--|-------------|----|------------------|
| V 12-24-48-110-240 (±10%) | | | | 50/60 Hz | | Flash/min 110±20 |
| IP 66 | °C -25 +50 | On ∞ | | 1 2 3 4 5 6 | PC | |
| | | | | | | M25x1.5* |

| | CESI 05 ATEX 043 | | | | | T6 |
|--|------------------|-----|-----|------|------|------|
| | V | 12 | 24 | 48 | - | - |
| | V | - | 24 | 48 | 110 | 240 |
| | A | 2.2 | 1.1 | 0.52 | 0.22 | 0.10 |
| | Cd (p) | 90 | 63 | 54 | 67 | 72 |

| | | | |
|----------------|---------|-----------------|---------|
| EX080BABYL12D1 | ● 95741 | EX080BABYL48D4 | ● 95774 |
| EX080BABYL12D2 | ● 95742 | EX080BABYL48D5 | ● 95775 |
| EX080BABYL12D3 | ● 95743 | EX080BABYL48D6 | ○ 95776 |
| EX080BABYL12D4 | ● 95744 | EX080BABYL48A1 | ● 95781 |
| EX080BABYL12D5 | ● 95745 | EX080BABYL48A2 | ● 95782 |
| EX080BABYL12D6 | ○ 95746 | EX080BABYL48A3 | ● 95783 |
| EX080BABYL24D1 | ● 95751 | EX080BABYL48A4 | ● 95784 |
| EX080BABYL24D2 | ● 95752 | EX080BABYL48A5 | ● 95785 |
| EX080BABYL24D3 | ● 95753 | EX080BABYL48A6 | ○ 95786 |
| EX080BABYL24D4 | ● 95754 | EX080BABYL110A1 | ● 95791 |
| EX080BABYL24D5 | ● 95755 | EX080BABYL110A2 | ● 95792 |
| EX080BABYL24D6 | ○ 95756 | EX080BABYL110A3 | ● 95793 |
| EX080BABYL24A1 | ● 95761 | EX080BABYL110A4 | ● 95794 |
| EX080BABYL24A2 | ● 95762 | EX080BABYL110A5 | ● 95795 |
| EX080BABYL24A3 | ● 95763 | EX080BABYL110A6 | ○ 95796 |
| EX080BABYL24A4 | ● 95764 | EX080BABYL240A1 | ● 95801 |
| EX080BABYL24A5 | ● 95765 | EX080BABYL240A2 | ● 95802 |
| EX080BABYL24A6 | ○ 95766 | EX080BABYL240A3 | ● 95803 |
| EX080BABYL48D1 | ● 95771 | EX080BABYL240A4 | ● 95804 |
| EX080BABYL48D2 | ● 95772 | EX080BABYL240A5 | ● 95805 |
| EX080BABYL48D3 | ● 95773 | EX080BABYL240A6 | ○ 95806 |



EX 080 BABY L



Kg. 7,19



II 2 GD Ex de IIC Ex tD A21 - Luci lampeggianti a led integrati antideflagranti

II 2 GD Ex de IIC Ex tD A21 - Explosion-proof led integrated flashing beacons

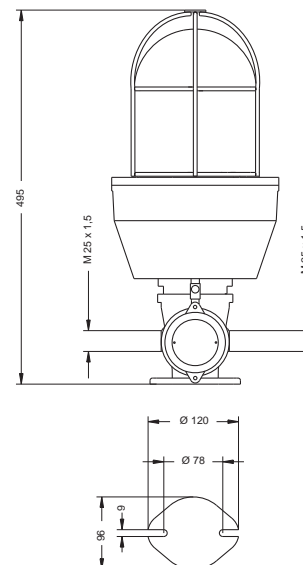
| | | | | | |
|------------------------|------------|------|------------|------------------|--------------|
| V 24-48-110-240 (±10%) | | == | ~ 50/60 Hz | Flash/min 150±20 | |
| IP 66 | °C -25 +50 | On ∞ | | 1 2 3 4 5 6 | PC M25x1.5* |



EX 080 LD 365 BABY

| | CESI 05 ATEX 043 | | T6 | |
|--------|------------------|-----|-----|-----|
| V == | 24 | 48 | - | - |
| V ~ | | | 110 | 240 |
| ●●● mA | 180 | 170 | 40 | 40 |
| ●●○ mA | 170 | 180 | 40 | 40 |

| | |
|-----------------------------|-----------------------------|
| EX080LD365BABY24DA1 ● 95861 | EX080LD365BABY110A1 ● 95881 |
| EX080LD365BABY24DA2 ● 95862 | EX080LD365BABY110A2 ● 95882 |
| EX080LD365BABY24DA3 ● 95863 | EX080LD365BABY110A3 ● 95883 |
| EX080LD365BABY24DA4 ● 95864 | EX080LD365BABY110A4 ● 95884 |
| EX080LD365BABY24DA5 ● 95865 | EX080LD365BABY110A5 ● 95885 |
| EX080LD365BABY24DA6 ○ 95866 | EX080LD365BABY110A6 ○ 95886 |
| EX080LD365BABY48DA1 ● 95871 | EX080LD365BABY240A1 ● 95891 |
| EX080LD365BABY48DA2 ● 95872 | EX080LD365BABY240A2 ● 95892 |
| EX080LD365BABY48DA3 ● 95873 | EX080LD365BABY240A3 ● 95893 |
| EX080LD365BABY48DA4 ● 95874 | EX080LD365BABY240A4 ● 95894 |
| EX080LD365BABY48DA5 ● 95875 | EX080LD365BABY240A5 ● 95895 |
| EX080LD365BABY48DA6 ○ 95876 | EX080LD365BABY240A6 ○ 95896 |



Kg. 7,24



II 2 GD Ex de IIC Ex tD A21 - Luci xeno antideflagranti

II 2 GD Ex de IIC Ex tD A21 - Explosion-proof xenon flashing beacons

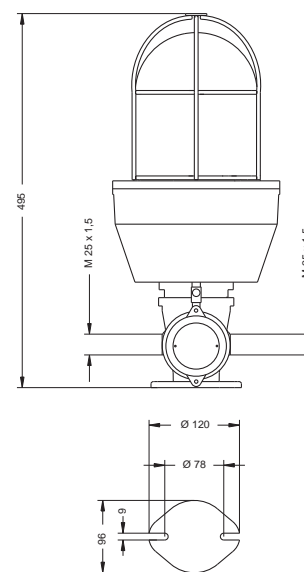
| | | | | | | |
|------------------------|------|----|-------------|----|----------|-------|
| V 12÷24-110-240 (±10%) | | == | ~ 50/60 Hz | J2 | 1F | IP 66 |
| °C -20 +40 | On ∞ | | 1 2 3 4 5 6 | PC | M25x1.5* | |



EX 080 BABY X

| | CESI 05 ATEX 043 | | T6 | | |
|------------------------------|------------------|---------|-----|------|------|
| 1F Xenon 2J LRX 2J | V == | 12 ÷ 24 | | - | - |
| | V ~ | | | 110 | 240 |
| | mA | 400 | 350 | 65 | 40 |
| | Cd (p) | 800 | 950 | 1000 | 1200 |

| | |
|---------------------------|-------------------------|
| EX080BABYX1224DA1 ● 97131 | EX080BABYX110A4 ● 97144 |
| EX080BABYX1224DA2 ● 97132 | EX080BABYX110A5 ● 97145 |
| EX080BABYX1224DA3 ● 97133 | EX080BABYX110A6 ○ 97146 |
| EX080BABYX1224DA4 ● 97134 | EX080BABYX240A1 ● 97151 |
| EX080BABYX1224DA5 ● 97135 | EX080BABYX240A2 ● 97162 |
| EX080BABYX1224DA6 ○ 97136 | EX080BABYX240A3 ● 97163 |
| EX080BABYX110A1 ● 97141 | EX080BABYX240A4 ● 97164 |
| EX080BABYX110A2 ● 97142 | EX080BABYX240A5 ● 97165 |
| EX080BABYX110A3 ● 97143 | EX080BABYX240A6 ○ 97166 |



Kg. 7,28



II 2 GD Ex de IIC Ex tD A21 - Luci rotanti antideflagranti

II 2 GD Ex de IIC Ex tD A21 - Explosion-proof rotating beacons

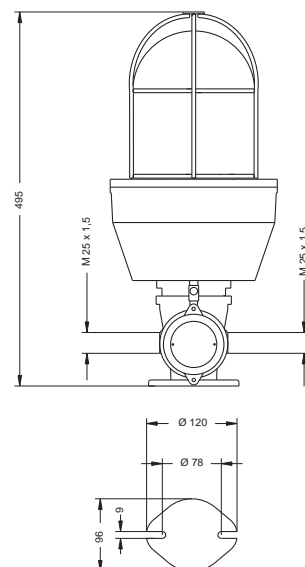
| | | | | | | | | | | | | |
|---------------------------|------------|------|--|------------|---|---------------|---|---|---|----|--|----------|
| V 12-24-48-110-240 (±10%) | | = | | ~ 50/60 Hz | | r.p.m. 160±30 | | | | | | |
| IP 66 | °C -25 +50 | On ∞ | | 1 | 2 | 3 | 4 | 5 | 6 | PC | | M25x1.5* |



EX 080 BABY R

| | CESI 05 ATEX 043 | | | T6 | | |
|--|------------------|-----|-----|-----|-----|-----|
| | V = | - | 24 | - | - | - |
| | V ~ | 12 | 24 | 48 | 110 | 240 |
| | mA | 820 | 500 | 280 | 140 | 73 |
| | Cd (p) | 270 | 315 | 252 | 100 | 108 |

| | | | |
|-----------------|---------|-----------------|---------|
| EX080BABYR12A1 | ● 95691 | EX080BABYR48A4 | ● 95714 |
| EX080BABYR12A2 | ● 95692 | EX080BABYR48A5 | ● 95715 |
| EX080BABYR12A3 | ● 95693 | EX080BABYR48A6 | ○ 95716 |
| EX080BABYR12A4 | ● 95694 | EX080BABYR110A1 | ● 95721 |
| EX080BABYR12A5 | ● 95695 | EX080BABYR110A2 | ● 95722 |
| EX080BABYR12A6 | ○ 95696 | EX080BABYR110A3 | ● 95723 |
| EX080BABYR24DA1 | ● 95701 | EX080BABYR110A4 | ● 95724 |
| EX080BABYR24DA2 | ● 95702 | EX080BABYR110A5 | ● 95725 |
| EX080BABYR24DA3 | ● 95703 | EX080BABYR110A6 | ○ 95726 |
| EX080BABYR24DA4 | ● 95704 | EX080BABYR240A1 | ● 95731 |
| EX080BABYR24DA5 | ● 95705 | EX080BABYR240A2 | ● 95732 |
| EX080BABYR24DA6 | ○ 95706 | EX080BABYR240A3 | ● 95733 |
| EX080BABYR48A1 | ● 95711 | EX080BABYR240A4 | ● 95734 |
| EX080BABYR48A2 | ● 95712 | EX080BABYR240A5 | ● 95735 |
| EX080BABYR48A3 | ● 95713 | EX080BABYR240A6 | ○ 95736 |



Kg. 7,41



II 2 GD Ex de IIC Ex tD A21 - Luci fisse antideflagranti

II 2 GD Ex de IIC Ex tD A21 - Explosion-proof continuous light beacons

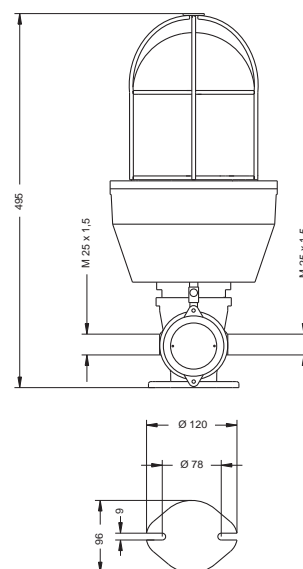
| | | | | | | | | | | | | |
|---------------------------|------------|------|--|------------|---|---|---|---|---|----|--|----------|
| V 12-24-48-110-240 (±10%) | | = | | ~ 50/60 Hz | | | | | | | | |
| IP 66 | °C -25 +50 | On ∞ | | 1 | 2 | 3 | 4 | 5 | 6 | PC | | M25x1.5* |



EX 080 LA F**

| | CESI 05 ATEX 043 | | | T6 | | |
|--|------------------|-----|------|------|------|------|
| | V = | 12 | 24 | 48 | 110 | 240 |
| | V ~ | 3.3 | 1.65 | 0.83 | 0.36 | 0.17 |
| | A | 720 | 900 | 720 | 67 | 135 |
| | Cd (p) | 720 | 900 | 720 | 67 | 135 |

| | | | |
|---------------|---------|----------------|---------|
| EX080LAF12DA1 | ● 96171 | EX080LAF48DA4 | ● 96194 |
| EX080LAF12DA2 | ● 96172 | EX080LAF48DA5 | ● 96195 |
| EX080LAF12DA3 | ● 96173 | EX080LAF48DA6 | ○ 96196 |
| EX080LAF12DA4 | ● 96174 | EX080LAF110DA1 | ● 96201 |
| EX080LAF12DA5 | ● 96175 | EX080LAF110DA2 | ● 96202 |
| EX080LAF12DA6 | ○ 96176 | EX080LAF110DA3 | ● 96203 |
| EX080LAF24DA1 | ● 96181 | EX080LAF110DA4 | ● 96204 |
| EX080LAF24DA2 | ● 96182 | EX080LAF110DA5 | ● 96205 |
| EX080LAF24DA3 | ● 96183 | EX080LAF110DA6 | ○ 96206 |
| EX080LAF24DA4 | ● 96184 | EX080LAF240DA1 | ● 96211 |
| EX080LAF24DA5 | ● 96185 | EX080LAF240DA2 | ● 96212 |
| EX080LAF24DA6 | ○ 96186 | EX080LAF240DA3 | ● 96213 |
| EX080LAF48DA1 | ● 96191 | EX080LAF240DA4 | ● 96214 |
| EX080LAF48DA2 | ● 96192 | EX080LAF240DA5 | ● 96215 |
| EX080LAF48DA3 | ● 96193 | EX080LAF240DA6 | ○ 96216 |



Kg. 7,36

**Disponibile versione a LED integrati (a richiesta)
LED integrated version available (on request)



II 2 GD Ex de IIC Ex tD A21 - Luci lampeggianti antideflagranti II 2 GD Ex de IIC Ex tD A21 - Explosion-proof flashing beacons

| | | |
|---|-------------------|-------------------------|
| V 12-24-48-110-240 (±10%) H1: 12-24 | 50/60 Hz | Flash/min 110±20 |
| IP 66 | °C -25 +50 | On |
| | | PC |

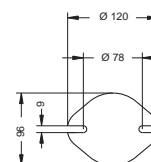
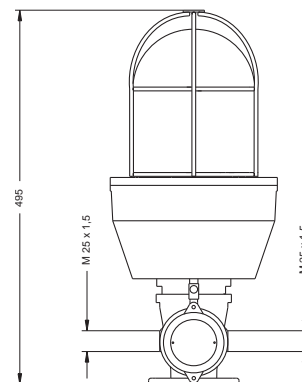
| | CESI 05 ATEX 043 | | | | | T6 |
|--|------------------|-----|-----|------|------|------|
| | V | 12 | 24 | 48 | - | - |
| | V | - | 24 | 48 | 110 | 240 |
| | A | 3.4 | 1.7 | 0.83 | 0.36 | 0.17 |
| | Cd (p) | 720 | 900 | 720 | 67 | 135 |

EX 080 LA L



EX 080 LA L
EX 080 LA L H

| | | | | | |
|--------------|---|-------|---------------|---|-------|
| EX080LAL12D1 | ● | 96061 | EX080LAL48D4 | ● | 96094 |
| EX080LAL12D2 | ● | 96062 | EX080LAL48D5 | ● | 96095 |
| EX080LAL12D3 | ● | 96063 | EX080LAL48D6 | ○ | 96096 |
| EX080LAL12D4 | ● | 96064 | EX080LAL48A1 | ● | 96101 |
| EX080LAL12D5 | ● | 96065 | EX080LAL48A2 | ● | 96102 |
| EX080LAL12D6 | ○ | 96066 | EX080LAL48A3 | ● | 96103 |
| EX080LAL24D1 | ● | 96071 | EX080LAL48A4 | ● | 96104 |
| EX080LAL24D2 | ● | 96072 | EX080LAL48A5 | ● | 96105 |
| EX080LAL24D3 | ● | 96073 | EX080LAL48A6 | ○ | 96106 |
| EX080LAL24D4 | ● | 96074 | EX080LAL110A1 | ● | 96111 |
| EX080LAL24D5 | ● | 96075 | EX080LAL110A2 | ● | 96112 |
| EX080LAL24D6 | ○ | 96076 | EX080LAL110A3 | ● | 96113 |
| EX080LAL24A1 | ● | 96081 | EX080LAL110A4 | ● | 96114 |
| EX080LAL24A2 | ● | 96082 | EX080LAL110A5 | ● | 96115 |
| EX080LAL24A3 | ● | 96083 | EX080LAL110A6 | ○ | 96116 |
| EX080LAL24A4 | ● | 96084 | EX080LAL240A1 | ● | 96121 |
| EX080LAL24A5 | ● | 96085 | EX080LAL240A2 | ● | 96122 |
| EX080LAL24A6 | ○ | 96086 | EX080LAL240A3 | ● | 96123 |
| EX080LAL48D1 | ● | 96091 | EX080LAL240A4 | ● | 96124 |
| EX080LAL48D2 | ● | 96092 | EX080LAL240A5 | ● | 96125 |
| EX080LAL48D3 | ● | 96093 | EX080LAL240A6 | ○ | 96126 |



Kg. 7,36

| | | | |
|--|---------------|-----|-----|
| | V | 12 | 24 |
| | V | 12 | 24 |
| | A | 4.6 | 2.9 |
| | Cd (p) | 720 | 720 |

EX 080 LA L H

| | | | | | | | | | | | |
|---------------|---|-------|---------------|---|-------|---------------|---|-------|---------------|---|-------|
| EX080LALH12D1 | ● | 96131 | EX080LALH12A1 | ● | 96141 | EX080LALH24D1 | ● | 96151 | EX080LALH24A1 | ● | 96161 |
| EX080LALH12D2 | ● | 96132 | EX080LALH12A2 | ● | 96142 | EX080LALH24D2 | ● | 96152 | EX080LALH24A2 | ● | 96162 |
| EX080LALH12D3 | ● | 96133 | EX080LALH12A3 | ● | 96143 | EX080LALH24D3 | ● | 96153 | EX080LALH24A3 | ● | 96163 |
| EX080LALH12D4 | ● | 96134 | EX080LALH12A4 | ● | 96144 | EX080LALH24D4 | ● | 96154 | EX080LALH24A4 | ● | 96164 |
| EX080LALH12D5 | ● | 96135 | EX080LALH12A5 | ● | 96145 | EX080LALH24D5 | ● | 96155 | EX080LALH24A5 | ● | 96165 |
| EX080LALH12D6 | ○ | 96136 | EX080LALH12A6 | ● | 96146 | EX080LALH24D6 | ● | 96156 | EX080LALH24A6 | ● | 96166 |



II 2 GD Ex de IIC Ex tD A21 - Luci lampeggianti a led integrati antideflagranti II 2 GD Ex de IIC Ex tD A21 - Explosion-proof led integrated flashing beacons

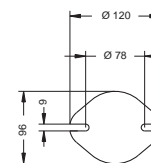
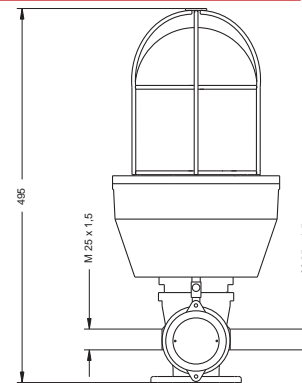
| | | |
|-------------------------------|-------------------|-------------------------|
| V 24-48-110-240 (±10%) | 50/60 Hz | Flash/min 150±20 |
| IP 66 | °C -25 +50 | On |
| | | PC |

| | CESI 05 ATEX 043 | | T6 | |
|-----------|------------------|-----|-----|-----|
| V | 24 | 48 | 110 | 240 |
| V | | | | |
| mA | 180 | 170 | 40 | 40 |
| mA | 170 | 170 | 40 | 40 |



EX 080 LD 455 LA

| | | | | | |
|-------------------|---|-------|-------------------|---|-------|
| EX080LD455LA24DA1 | ● | 96221 | EX080LD455LA110A1 | ● | 96241 |
| EX080LD455LA24DA2 | ● | 96222 | EX080LD455LA110A2 | ● | 96242 |
| EX080LD455LA24DA3 | ● | 96223 | EX080LD455LA110A3 | ● | 96243 |
| EX080LD455LA24DA4 | ● | 96224 | EX080LD455LA110A4 | ● | 96244 |
| EX080LD455LA24DA5 | ● | 96225 | EX080LD455LA110A5 | ● | 96245 |
| EX080LD455LA24DA6 | ○ | 96226 | EX080LD455LA110A6 | ○ | 96246 |
| EX080LD455LA48DA1 | ● | 96231 | EX080LD455LA240A1 | ● | 96251 |
| EX080LD455LA48DA2 | ● | 96232 | EX080LD455LA240A2 | ● | 96252 |
| EX080LD455LA48DA3 | ● | 96233 | EX080LD455LA240A3 | ● | 96253 |
| EX080LD455LA48DA4 | ● | 96234 | EX080LD455LA240A4 | ● | 96254 |
| EX080LD455LA48DA5 | ● | 96235 | EX080LD455LA240A5 | ● | 96255 |
| EX080LD455LA48DA6 | ○ | 96236 | EX080LD455LA240A6 | ○ | 96256 |



Kg. 7,41



II 2 GD Ex de IIC Ex tD A21 - Luci xeno antideflagranti

II 2 GD Ex de IIC Ex tD A21 - Explosion-proof xenon flashing beacons

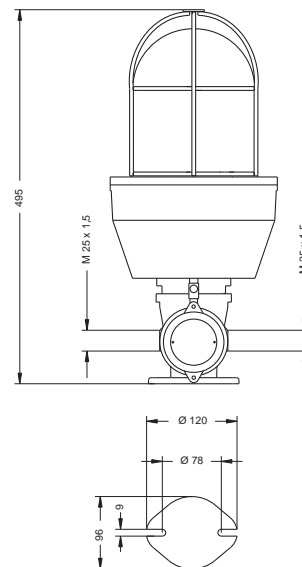
| | | | | | | |
|------------------|----------------------|------|---|-------------|----------------|----------|
| V | 12÷24-110-240 (±10%) | ≡ | ~ | 50/60 Hz | J ₆ | 1F |
| IP ₆₆ | °C -20 +40 | On ∞ | | 1 2 3 4 5 6 | PC | M25x1.5* |



EX 080 LA X

| | | CESI 05 ATEX 043 | | T6 | |
|----|--------|------------------|------|------|------|
| 1F | V ≡ | 12 ÷ 24 | | - | - |
| | V ~ | 12 ÷ 24 | | 110 | 240 |
| | A | 1.0 | 0.75 | 0.1 | 0.09 |
| | Cd (p) | 3100 | 3500 | 2600 | 3250 |
| | Fl/min | 65±10 | | | |

| | | | | | |
|-----------------|---|-------|---------------|---|-------|
| EX080LAX1224DA1 | ● | 96341 | EX080LAX110A4 | ● | 96354 |
| EX080LAX1224DA2 | ● | 96342 | EX080LAX110A5 | ● | 96355 |
| EX080LAX1224DA3 | ● | 96343 | EX080LAX110A6 | ○ | 96356 |
| EX080LAX1224DA4 | ● | 96344 | EX080LAX240A1 | ● | 96361 |
| EX080LAX1224DA5 | ● | 96345 | EX080LAX240A2 | ● | 96362 |
| EX080LAX1224DA6 | ○ | 96346 | EX080LAX240A3 | ● | 96363 |
| EX080LAX110A1 | ● | 96351 | EX080LAX240A4 | ● | 96364 |
| EX080LAX110A2 | ● | 96352 | EX080LAX240A5 | ● | 96365 |
| EX080LAX110A3 | ● | 96353 | EX080LAX240A6 | ○ | 96366 |



Kg. 7,36



II 2 GD Ex de IIC Ex tD A21 - Luci rotanti antideflagranti

II 2 GD Ex de IIC Ex tD A21 - Explosion-proof rotating beacons

| | | | | | |
|------------------|--------------------------------------|------|---|-------------|---------------|
| V | 12-24-48-110-240 (±10%) H1: 12-24 | ≡ | ~ | 50/60 Hz | r.p.m. 160±30 |
| IP ₆₆ | °C -25 +50 H1: -20 +40 | On ∞ | | 1 2 3 4 5 6 | PC M25x1.5* |

| | | CESI 05 ATEX 043 | | T6 | | | |
|---|--------|------------------|------|------|------|------|------|
| BA 15s 45W LR BA 15s 45W E 14 25W LR E 14T 25W | V ≡ | 12 | 24 | 48 | - | - | - |
| | V ~ | 12 | 24 | - | 48 | 110 | 240 |
| | A | 4 | 2.1 | 1 | 0.74 | 0.31 | 0.15 |
| | Cd (p) | 5900 | 5900 | 5900 | 540 | 460 | 360 |

| | | | | | | | | |
|-------------|---|-------|-------------|---|-------|--------------|---|-------|
| EX080RA12D1 | ● | 95941 | EX080RA24D5 | ● | 95965 | EX080RA48A3 | ● | 95993 |
| EX080RA12D2 | ● | 95942 | EX080RA24D6 | ○ | 95966 | EX080RA48A4 | ● | 95994 |
| EX080RA12D3 | ● | 95943 | EX080RA24A1 | ● | 95971 | EX080RA48A5 | ● | 95995 |
| EX080RA12D4 | ● | 95944 | EX080RA24A2 | ● | 95972 | EX080RA48A6 | ○ | 95996 |
| EX080RA12D5 | ● | 95945 | EX080RA24A3 | ● | 95973 | EX080RA110A1 | ● | 96001 |
| EX080RA12D6 | ○ | 95946 | EX080RA24A4 | ● | 95974 | EX080RA110A2 | ○ | 96002 |
| EX080RA12A1 | ● | 95951 | EX080RA24A5 | ● | 95975 | EX080RA110A3 | ○ | 96003 |
| EX080RA12A2 | ● | 95952 | EX080RA24A6 | ○ | 95976 | EX080RA110A4 | ● | 96004 |
| EX080RA12A3 | ● | 95953 | EX080RA48D1 | ● | 95981 | EX080RA110A5 | ○ | 96005 |
| EX080RA12A4 | ● | 95954 | EX080RA48D2 | ● | 95982 | EX080RA110A6 | ○ | 96006 |
| EX080RA12A5 | ● | 95955 | EX080RA48D3 | ● | 95983 | EX080RA240A1 | ● | 96011 |
| EX080RA12A6 | ○ | 95956 | EX080RA48D4 | ● | 95984 | EX080RA240A2 | ○ | 96012 |
| EX080RA24D1 | ● | 95961 | EX080RA48D5 | ● | 95985 | EX080RA240A3 | ○ | 96013 |
| EX080RA24D2 | ● | 95962 | EX080RA48D6 | ○ | 95986 | EX080RA240A4 | ● | 96014 |
| EX080RA24D3 | ● | 95963 | EX080RA48A1 | ● | 95991 | EX080RA240A5 | ○ | 96015 |
| EX080RA24D4 | ● | 95964 | EX080RA48A2 | ● | 95992 | EX080RA240A6 | ○ | 96016 |

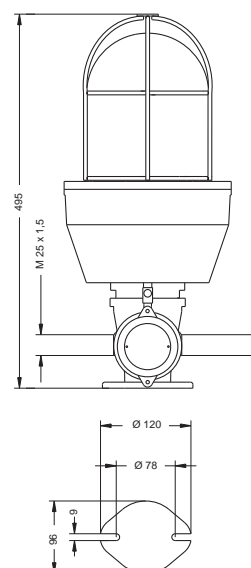
| | | EX 080 RA H | |
|--|------|-------------|------|
| H1 12V 55W LR H 55W 12 H1 24V 70W LR H 70W 24 | V ≡ | 12 | 24 |
| | V ~ | 12 | 24 |
| | A | 4.8 | 3.1 |
| Cd (p) | 9000 | | 9000 |

| | | | | | | | | |
|--------------|---|-------|--------------|---|-------|--------------|---|-------|
| EX080RAH12D1 | ● | 96021 | EX080RAH12A3 | ● | 96033 | EX080RAH24D5 | ● | 96045 |
| EX080RAH12D2 | ● | 96022 | EX080RAH12A4 | ● | 96034 | EX080RAH24D6 | ○ | 96046 |
| EX080RAH12D3 | ● | 96023 | EX080RAH12A5 | ● | 96035 | EX080RAH24A1 | ● | 96051 |
| EX080RAH12D4 | ● | 96024 | EX080RAH12A6 | ○ | 96036 | EX080RAH24A2 | ○ | 96052 |
| EX080RAH12D5 | ● | 96025 | EX080RAH24D1 | ● | 96041 | EX080RAH24A3 | ● | 96053 |
| EX080RAH12D6 | ○ | 96026 | EX080RAH24D2 | ● | 96042 | EX080RAH24A4 | ● | 96054 |
| EX080RAH12A1 | ● | 96031 | EX080RAH24D3 | ● | 96043 | EX080RAH24A5 | ○ | 96055 |
| EX080RAH12A2 | ● | 96032 | EX080RAH24D4 | ● | 96044 | EX080RAH24A6 | ○ | 96056 |



EX 080 RA
EX 080 RA H

EX 080 RA



Kg. 7,42



II 2 GD Ex de IIC Ex tD A21 - Luci fisse antideflagranti II 2 GD Ex de IIC Ex tD A21 - Explosion-proof continuous light beacons



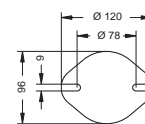
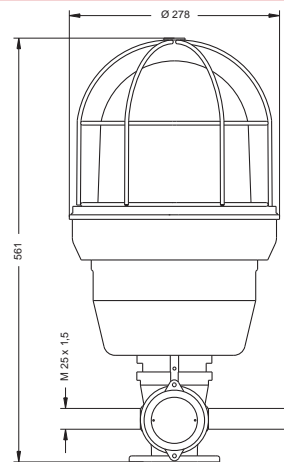
EX 0100 STL F**

| | | | | | |
|--------------|------------|-------|--|-------------|--------------|
| V 240 (±10%) | | — — — | | ~ 50/60 Hz | |
| IP 66 | °C -25 +50 | On ∞ | | 1 2 3 4 5 6 | PC M25x1.5* |

| CESI 05 ATEX 043 | | T4 |
|------------------|---------|------|
| | V — — — | 240 |
| | V ~ | 240 |
| | A | 0.45 |
| | Cd (p) | 630 |

Disponibile in tutte le altre tensioni: codici a richiesta
All other voltages available: part nos. on request

| | |
|-----------------|---------|
| EX0100STLF240A1 | ● 96491 |
| EX0100STLF240A2 | ● 96492 |
| EX0100STLF240A3 | ● 96493 |
| EX0100STLF240A4 | ● 96494 |
| EX0100STLF240A5 | ● 96495 |
| EX0100STLF240A6 | ○ 96496 |



Kg. 10,51

**Disponibile versione a LED integrati (a richiesta)
LED integrated version available (on request)



II 2 GD Ex de IIC Ex tD A21 - Luci lampeggianti antideflagranti II 2 GD Ex de IIC Ex tD A21 - Explosion-proof flashing beacons

| | | | | | | | |
|--|------------|-------|--|-------------|--------------|------------------|--|
| V 12-24-48-110-240 (±10%) H1: 12-24 | | — — — | | ~ 50/60 Hz | | Flash/min 110±20 | |
| IP 66 | °C -25 +50 | On ∞ | | 1 2 3 4 5 6 | PC M25x1.5* | | |

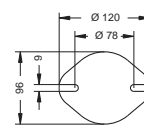
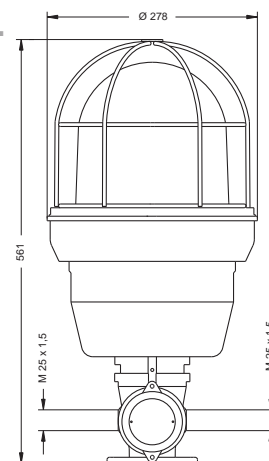
| CESI 05 ATEX 043 | | T6 | | | | |
|------------------|---------|-----|-----|-----|------|------|
| | V — — — | 12 | 24 | 48 | - | - |
| | V ~ | 12 | 24 | 48 | 110 | 240 |
| | A | 3.8 | 1.9 | 0.9 | 0.36 | 0.17 |
| | Cd (p) | 540 | 405 | 270 | 220 | 220 |

EX 0100 STL L



EX 0100 STL L
EX 0100 STL L H

| | | | | | |
|----------------|---------|----------------|---------|-----------------|---------|
| EX0100STLL12D1 | ● 96371 | EX0100STLL24D5 | ● 96395 | EX0100STLL48A3 | ● 96423 |
| EX0100STLL12D2 | ● 96372 | EX0100STLL24D6 | ○ 96396 | EX0100STLL48A4 | ● 96424 |
| EX0100STLL12D3 | ● 96373 | EX0100STLL24A1 | ● 96401 | EX0100STLL48A5 | ● 96425 |
| EX0100STLL12D4 | ● 96374 | EX0100STLL24A2 | ● 96402 | EX0100STLL48A6 | ○ 96426 |
| EX0100STLL12D5 | ● 96375 | EX0100STLL24A3 | ● 96403 | EX0100STLL110A1 | ● 96431 |
| EX0100STLL12D6 | ○ 96376 | EX0100STLL24A4 | ● 96404 | EX0100STLL110A2 | ● 96432 |
| EX0100STLL12A1 | ● 96381 | EX0100STLL24A5 | ● 96405 | EX0100STLL110A3 | ● 96433 |
| EX0100STLL12A2 | ● 96382 | EX0100STLL24A6 | ○ 96406 | EX0100STLL110A4 | ● 96434 |
| EX0100STLL12A3 | ● 96383 | EX0100STLL48D1 | ● 96411 | EX0100STLL110A5 | ● 96435 |
| EX0100STLL12A4 | ● 96384 | EX0100STLL48D2 | ● 96412 | EX0100STLL110A6 | ○ 96436 |
| EX0100STLL12A5 | ● 96385 | EX0100STLL48D3 | ● 96413 | EX0100STLL240A1 | ● 96441 |
| EX0100STLL12A6 | ○ 96386 | EX0100STLL48D4 | ● 96414 | EX0100STLL240A2 | ● 96442 |
| EX0100STLL24D1 | ● 96391 | EX0100STLL48D5 | ● 96415 | EX0100STLL240A3 | ● 96443 |
| EX0100STLL24D2 | ● 96392 | EX0100STLL48D6 | ○ 96416 | EX0100STLL240A4 | ● 96444 |
| EX0100STLL24D3 | ● 96393 | EX0100STLL48A1 | ● 96421 | EX0100STLL240A5 | ● 96445 |
| EX0100STLL24D4 | ● 96394 | EX0100STLL48A2 | ● 96422 | EX0100STLL240A6 | ○ 96446 |



Kg. 10,51

| EX 0100 STL L H | | | |
|-----------------|---------|-----|-----|
| | V — — — | 12 | 24 |
| | V ~ | 12 | 24 |
| | A | 4.6 | 2.9 |
| | Cd (p) | 990 | 990 |

| | | | | | |
|-----------------|---------|-----------------|---------|-----------------|---------|
| EX0100STLLH12D1 | ● 96451 | EX0100STLLH12A3 | ● 96463 | EX0100STLLH24D5 | ● 96475 |
| EX0100STLLH12D2 | ● 96452 | EX0100STLLH12A4 | ● 96464 | EX0100STLLH24D6 | ○ 96476 |
| EX0100STLLH12D3 | ● 96453 | EX0100STLLH12A5 | ● 96465 | EX0100STLLH24A1 | ● 96481 |
| EX0100STLLH12D4 | ● 96454 | EX0100STLLH12A6 | ○ 96466 | EX0100STLLH24A2 | ● 96482 |
| EX0100STLLH12D5 | ● 96455 | EX0100STLLH24D1 | ● 96471 | EX0100STLLH24A3 | ● 96483 |
| EX0100STLLH12D6 | ● 96456 | EX0100STLLH24D2 | ● 96472 | EX0100STLLH24A4 | ● 96484 |
| EX0100STLLH12A1 | ● 96461 | EX0100STLLH24D3 | ● 96473 | EX0100STLLH24A5 | ● 96485 |
| EX0100STLLH12A2 | ● 96462 | EX0100STLLH24D4 | ● 96474 | EX0100STLLH24A6 | ○ 96486 |



II 2 GD Ex de IIC Ex tD A21 - Luci lampeggianti a led integrati antideflagranti

II 2 GD Ex de IIC Ex tD A21 - Explosion-proof led integrated flashing beacons

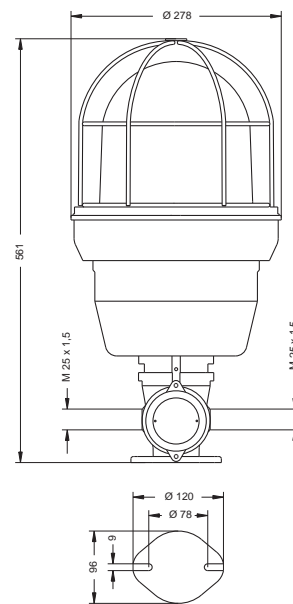


EX 0100 LD 865 STB

| | | | | | | |
|------------------------|------------|-------------|--|-------------|------------------|--|
| V 24-48-110-240 (±10%) | | | | 50/60 Hz | Flash/min 150±20 | |
| IP 66 | °C -25 +50 | On ∞ | | 1 2 3 4 5 6 | PC | |

| | CESI 05 ATEX 043 | | T6 | |
|----|------------------|-----|-----|-----|
| V | 24 | 48 | - | - |
| V | - | - | 110 | 240 |
| mA | 190 | 170 | 60 | 60 |
| mA | 450 | 180 | 60 | 60 |

| | | | |
|---------------------|---------|---------------------|---------|
| EX0100LD865STB24DA1 | ● 96501 | EX0100LD865STB110A1 | ● 96521 |
| EX0100LD865STB24DA2 | ● 96502 | EX0100LD865STB110A2 | ● 96522 |
| EX0100LD865STB24DA3 | ● 96503 | EX0100LD865STB110A3 | ● 96523 |
| EX0100LD865STB24DA4 | ● 96504 | EX0100LD865STB110A4 | ● 96524 |
| EX0100LD865STB24DA5 | ● 96505 | EX0100LD865STB110A5 | ● 96525 |
| EX0100LD865STB24DA6 | ○ 96506 | EX0100LD865STB110A6 | ○ 96526 |
| EX0100LD865STB48DA1 | ● 96511 | EX0100LD865STB240A1 | ● 96531 |
| EX0100LD865STB48DA2 | ● 96512 | EX0100LD865STB240A2 | ● 96532 |
| EX0100LD865STB48DA3 | ● 96513 | EX0100LD865STB240A3 | ● 96533 |
| EX0100LD865STB48DA4 | ● 96514 | EX0100LD865STB240A4 | ● 96534 |
| EX0100LD865STB48DA5 | ● 96515 | EX0100LD865STB240A5 | ● 96535 |
| EX0100LD865STB48DA6 | ○ 96516 | EX0100LD865STB240A6 | ○ 96536 |



Kg. 10,61



II 2 GD Ex de IIC Ex tD A21 - Luci xeno antideflagranti

II 2 GD Ex de IIC Ex tD A21 - Explosion-proof xenon flashing beacons

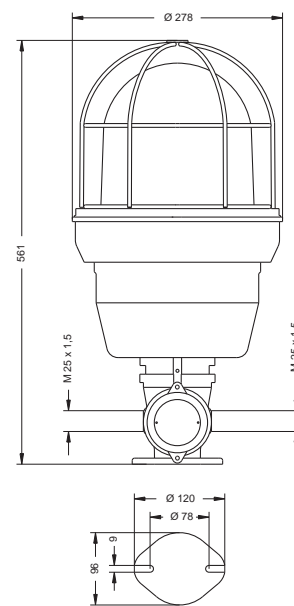


EX 0100 STF

| | | | | | | | |
|------------------------|------------|-------------|--|-------------|------|----|-----------------|
| V 12÷24-110-240 (±10%) | | | | 50/60 Hz | J 15 | 1F | Flash/min 65±10 |
| IP 66 | °C -20 +40 | On ∞ | | 1 2 3 4 5 6 | PC | | |

| | CESI 05 ATEX 043 | | T6 | |
|----------------------|------------------|-------|-------|-------|
| 1F | V | 12÷24 | - | - |
| | V | - | 110 | 240 |
| | A | 2.5 | 1.2 | 0.13 |
| | Cd (p) | 19300 | 19800 | 4140 |
| XENON 15J LRX 15J | | | | 16200 |

| | | | |
|------------------|---------|----------------|---------|
| EX0100STF12/24D1 | ● 96551 | EX0100STF110A4 | ● 96564 |
| EX0100STF12/24D2 | ● 96552 | EX0100STF110A5 | ● 96565 |
| EX0100STF12/24D3 | ● 96553 | EX0100STF110A6 | ○ 96566 |
| EX0100STF12/24D4 | ● 96554 | EX0100STF240A1 | ● 96571 |
| EX0100STF12/24D5 | ● 96555 | EX0100STF240A2 | ● 96572 |
| EX0100STF12/24D6 | ○ 96556 | EX0100STF240A3 | ● 96573 |
| EX0100STF110A1 | ● 96561 | EX0100STF240A4 | ● 96574 |
| EX0100STF110A2 | ● 96562 | EX0100STF240A5 | ● 96575 |
| EX0100STF110A3 | ● 96563 | EX0100STF240A6 | ○ 96576 |



Kg. 11,0



II 2 GD Ex de IIC Ex tD A21 - Lampade antideflagranti

II 2 GD Ex de IIC Ex tD A21 - Explosion-proof lamps

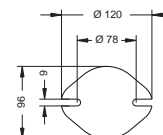
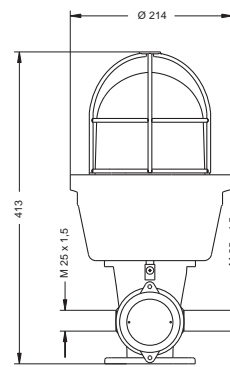
| | | | | |
|--------------|------------|----|--|----------|
| V 240 (±10%) | | | | 50/60 Hz |
| IP 66 | °C -25 +50 | On | | M25x1.5* |



EX 070 LF 100

| CESI 05 ATEX 043 | T4 |
|---------------------------|--------------|
| | V \sim 240 |
| E 27 100W LR E 27 100W | A 0,45 |
| | Cd (p) 90 |

EX070LF100240A6 ○ 95686



Kg. 4,38

Disponibile in tutte le altre tensioni: codici a richiesta
All other voltages available: part nos. on request

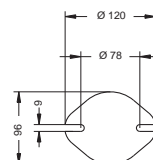
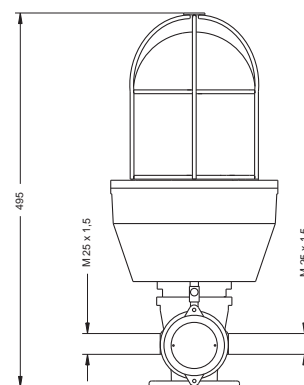
| | | | | |
|--------------|------------|----|--|----------|
| V 240 (±10%) | | | | 50/60 Hz |
| IP 66 | °C -25 +50 | On | | M25x1.5* |



EX 080 LF 200

| CESI 05 ATEX 043 | T4 |
|---------------------------|--------------|
| | V \sim 240 |
| E 27 200W LR E 27 200W | A 0,9 |
| | Cd (p) 180 |

EX080LF200240A6 ○ 96296



Kg. 6,77

Disponibile in tutte le altre tensioni: codici a richiesta
All other voltages available: part nos. on request



II 2 GD Ex de IIC Ex tD A21 - Lampade a led antideflagranti

II 2 GD Ex de IIC Ex tD A21 - Explosion-proof led lamps

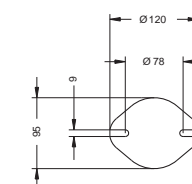
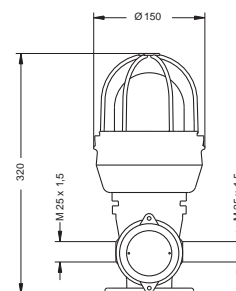
| | | |
|--------------|------------|----------|
| V 240 (±10%) | ~ 50/60 Hz | IP 66 |
| °C -25 +50 | On ∞ | M25x1.5* |



EX 050 LD SO 545

| CESI 05 ATEX 043 T6 | |
|---------------------|---------------------|
| V ~ | 240 |
| mA | 25 |
| Cd (p) • | 22 (max) 7 (min) |
| W | 6 |

EX050LDS0545240A3 • 96653



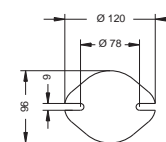
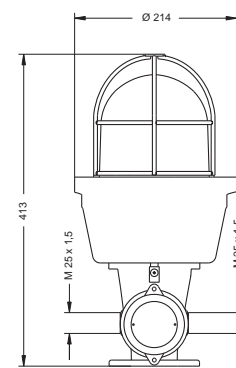
Kg. 2,55



EX 070 LD SO 905

| CESI 05 ATEX 043 T6 | |
|---------------------|------|
| V ~ | 240 |
| mA | 22 |
| Cd (p) • | > 10 |
| W | 5 |

EX070LDS0905240A3 • 96673



Kg. 4,52

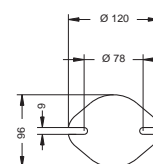
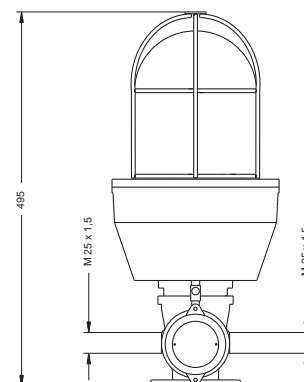
SECONDO ICAO ANNEX 14 CHAPTER 6 - LOW INTENSITY TYPE A
ACCORDING TO ICAO ANNEX 14 CHAPTER 6 - LOW INTENSITY TYPE A



EX 080 LD SO 1505

| CESI 05 ATEX 043 T6 | |
|---------------------|------|
| V ~ | 240 |
| mA | 45 |
| Cd (p) • | > 10 |
| W | 10 |

EX080LDS01505240A3 • 97013



Kg. 7,12

SECONDO ICAO ANNEX 14 CHAPTER 6 - LOW INTENSITY TYPE A
ACCORDING TO ICAO ANNEX 14 CHAPTER 6 - LOW INTENSITY TYPE A



II 2 GD Ex de IIC Ex tD A21 - Lampade a led antideflagranti

II 2 GD Ex de IIC Ex tD A21 - Explosion-proof led lamps

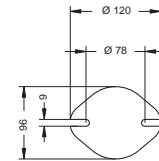
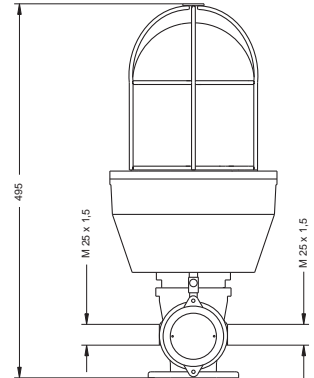
| | | | |
|--------------|------|------------|----------|
| V 240 (±10%) | | ~ 50/60 Hz | IP 66 |
| °C -25 +50 | On ∞ | | M25x1.5* |



EX 080 LD SO 2105

| CESI 05 ATEX 043 | T6 |
|------------------|------|
| V ~ | 240 |
| mA | 78 |
| Cd (p) • | > 32 |
| W | 15 |

EX080LDSO2105240A3 • 97033



Kg. 7,28

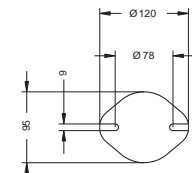
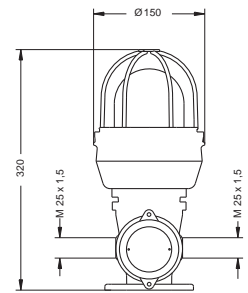
SECONDO ICAO ANNEX 14 CHAPTER 6 - LOW INTENSITY TYPE B
ACCORDING TO ICAO ANNEX 14 CHAPTER 6 - LOW INTENSITY TYPE B



EX 050 LD SA 835

| CESI 05 ATEX 043 | T6 |
|------------------|---------------------|
| V ~ | 240 |
| mA | 40 |
| Cd (p) • | 22 (max) 7 (min) |
| W | 9 |

EX050LDSA835240A3 • 96643



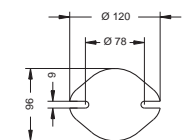
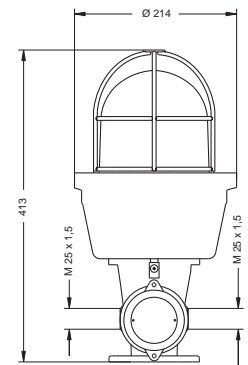
Kg. 2,59



EX 070 LD SA 1195

| CESI 05 ATEX 043 | T6 |
|------------------|------|
| V ~ | 240 |
| mA | 35 |
| Cd (p) • | > 10 |
| W | 7 |

EX070LDSA1195240A3 • 96663



Kg. 4,55

SECONDO ICAO ANNEX 14 CHAPTER 6 - LOW INTENSITY TYPE A
ACCORDING TO ICAO ANNEX 14 CHAPTER 6 - LOW INTENSITY TYPE A



II 2 GD Ex de IIC Ex tD A21 - Lampade a led antideflagranti

II 2 GD Ex de IIC Ex tD A21 - Explosion-proof led lamps

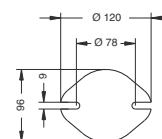
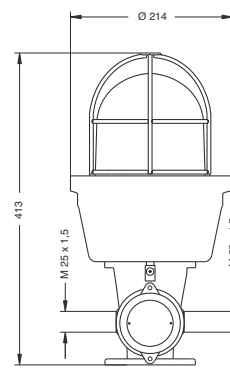
| | | | | | |
|--------------|--|------------|--|----------|--|
| V 240 (±10%) | | ~ 50/60 Hz | | IP 66 | |
| °C -25 +50 | | On ∞ | | M25x1.5* | |



EX 070 LD SA 1395

| CESI 05 ATEX 043 | T6 |
|------------------|------|
| V ~ | 240 |
| mA | 85 |
| Cd (p) | > 10 |
| W | 18.5 |

EX070LDSA1395240A3 • 96683



Kg. 4,76

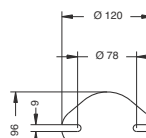
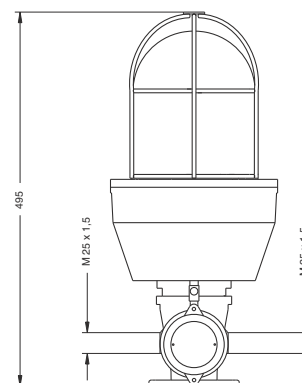
SECONDO ICAO ANNEX 14 CHAPTER 6 - LOW INTENSITY TYPE A
ACCORDING TO ICAO ANNEX 14 CHAPTER 6 - LOW INTENSITY TYPE A



EX 080 LD SA 1995

| CESI 05 ATEX 043 | T6 |
|------------------|------|
| V ~ | 240 |
| mA | 70 |
| Cd (p) | > 10 |
| W | 17 |

EX080LDSA1995240A3 • 97003



Kg. 7,18

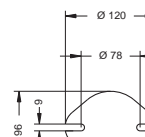
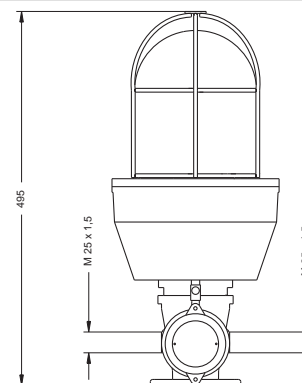
SECONDO ICAO ANNEX 14 CHAPTER 6 - LOW INTENSITY TYPE A
ACCORDING TO ICAO ANNEX 14 CHAPTER 6 - LOW INTENSITY TYPE A



EX 080 LD SA 3185

| CESI 05 ATEX 043 | T6 |
|------------------|------|
| V ~ | 240 |
| mA | 130 |
| Cd (p) | > 32 |
| W | 28.5 |

EX080LDSA3185240A3 • 97023



Kg. 7,38

SECONDO ICAO ANNEX 14 CHAPTER 6 - LOW INTENSITY TYPE B
ACCORDING TO ICAO ANNEX 14 CHAPTER 6 - LOW INTENSITY TYPE B



II 2 GD Ex d IIC Ex tD A21 - Sirene elettromeccaniche antideflagranti

II 2 GD Ex d IIC Ex tD A21 - Explosion-proof electric motor sirens

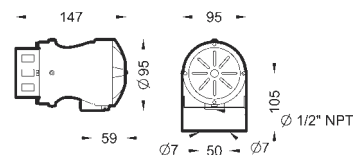
| | | | |
|------------------------|--|------------|--------------------------------|
| V 12-24-110-240 (±10%) | | 50/60 Hz | On: 1 min. Off: 10 min. |
| IP 65/66 | | °C -50 +50 | Ø 1/2" NPT Ø 3/4" ISO 7/1** |

IP 66



ETS30/100DB

| | ISSeP 08 ATEX 004 X T6 | | | |
|---------|------------------------|------|------|------|
| V | 12 | 24 | 110 | 240 |
| A | 3 | 1.6 | 0.45 | 0.3 |
| dB(A)1m | 100 | 100 | 100 | 100 |
| Hz | 1500 | 1500 | 1600 | 1600 |



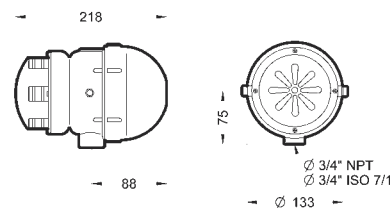
Kg. 1,45

| | | | |
|----------------|-------|-----------------|-------|
| ETS30100DB12DA | 62234 | ETS30100DB110DA | 62236 |
| ETS30100DB24DA | 62235 | ETS30100DB240DA | 62237 |



ETS60/109DB**

| | INERIS 02 ATEX 0001 T6 | | | |
|---------|------------------------|------|------|------|
| V | 12 | 24 | 110 | 240 |
| A | 15 | 8.5 | 2 | 1 |
| dB(A)1m | 109 | 109 | 109 | 109 |
| Hz | 1150 | 1250 | 1300 | 1300 |



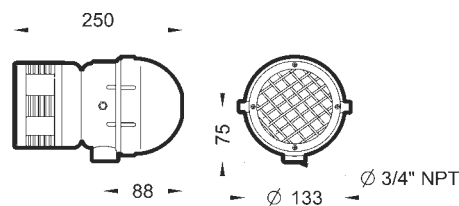
Kg. 3,20

| | | | |
|----------------|-------|-----------------|-------|
| ETS60109DB12DA | 62233 | ETS60109DB110DA | 62232 |
| ETS60109DB24DA | 62231 | ETS60109DB240DA | 62230 |



ETS60/114DB**

| | INERIS 02 ATEX 0001 T6 | | | |
|---------|------------------------|-----|-----|-----|
| V | 12 | 24 | 110 | 240 |
| A | 12 | 6.3 | 2 | 1 |
| dB(A)1m | 114 | 114 | 114 | 114 |
| Hz | 650 | 650 | 650 | 650 |



Kg. 3,45

| | | | |
|----------------|-------|-----------------|-------|
| ETS60114DB12DA | 62225 | ETS60114DB110DA | 62227 |
| ETS60114DB24DA | 62229 | ETS60114DB240DA | 62228 |



II 2 GD Ex d IIC Ex tD A21 - Sirene elettroniche antideflagranti

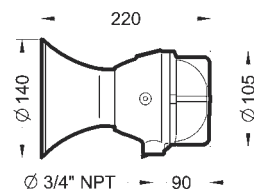
II 2 GD Ex d IIC Ex tD A21 - Explosion-proof electronic sirens

| | | | | |
|------------------------|------------|----------|----------------|-------|
| V 12/24-110-240 (±10%) | | 50/60 Hz | On ∞ | IP 65 |
| | °C -50 +50 | | Ø 3/4" ISO 7/1 | |



ETH12 MD

| | INERIS 02 ATEX 0074 T6 | | |
|---------|------------------------|-----|-----|
| V | 12÷24 | - | - |
| V | | 110 | 240 |
| mA | 865 | 45 | 30 |
| dB(A)1m | Min. 91 - Max. 109 | | |



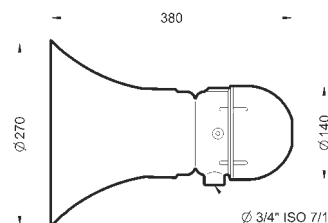
Kg. 1,40

| | | | |
|---------------|-------|-------------|-------|
| ETH12MD1224DA | 57994 | ETH12MD240A | 57996 |
| ETH12MD110A | 57997 | | |



ETH20 MD

| | ISSeP 01 ATEX 014 T6 | |
|---------|----------------------|-----|
| V | 12÷24 | - |
| V | | 240 |
| mA | 550 | 25 |
| dB(A)1m | Min. 101 - Max. 112 | |



Kg. 3,35

| | | | |
|---------------|-------|-------------|-------|
| ETH20MD1224DA | 57998 | ETH20MD240A | 57995 |
|---------------|-------|-------------|-------|



II 2 GD Ex d IIC Ex tD A21 - Interruttori di emergenza antideflagranti

II 2 GD Ex d IIC Ex tD A21 - Explosion-proof emergency switches

IP 66

°C -20 +40

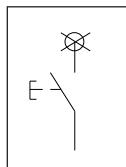
On ∞

 1" ISO 7/1

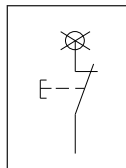
CESI 05 ATEX 062 T6



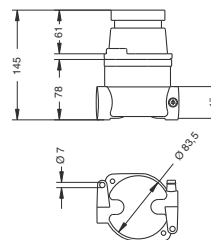
EX 025 PAG



10A - 240V



10A - 240V



Kg. 0,87

EX025PAG 96699

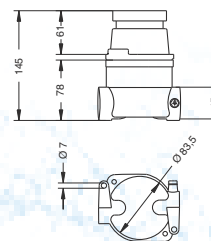
CESI 05 ATEX 062 T6



EX 035 PAG PCS

- Versione per utilizzo con linea SEO SEV PCS
- Version to be used with the SEO SEV PCS range

EX035PAGPCS 96700

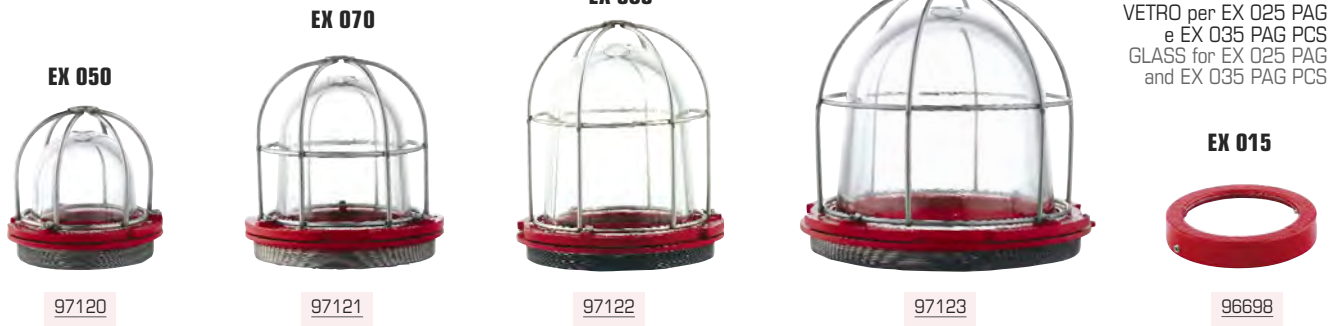


Kg. 0,89



Ricambi Spare parts

**VETRO + GRIGLIA + GHIERA PER:
GLASS + GRID + RING FOR:**



VETRO per EX 025 PAG
e EX 035 PAG PCS
GLASS for EX 025 PAG
and EX 035 PAG PCS

LAMPADE BULBS



LR BA 9s

| | |
|--------------|-------|
| LRBA9S10W12 | 72761 |
| LRBA9S10W24 | 72762 |
| LRBA9S10W48 | 72763 |
| LRBA9S10W110 | 72764 |
| LRBA9S10W240 | 72766 |



LR E14

| | |
|---------------|-------|
| LRE14T25W5048 | 71663 |
| LRE14T25W110 | 71625 |
| LRE14T25W240 | 71640 |



LR BA 15d

| | |
|---------------|-------|
| LRBA15D40W12 | 70956 |
| LRBA15D40W24 | 70957 |
| LRBA15D40W48 | 70958 |
| LRBA15D40W130 | 70959 |
| LRBA15D40W240 | 70960 |



LR BA 15s

| | |
|--------------|-------|
| LRBA15S45W12 | 71600 |
| LRBA15S45W24 | 71601 |
| LRBA15S45W48 | 71606 |



LR BA 15d

| | |
|--------------|-------|
| LRBA15D5W12 | 70941 |
| LRBA15D5W24 | 70942 |
| LRBA15D5W48 | 70943 |
| LRBA15D5W130 | 70944 |
| LRBA15D5W240 | 70945 |



LR E27

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|----------------|-------|
| LR E27 100W240 | 27798 |
| LR E27 200W240 | 97130 |



LR E 14

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| LRE14S40W110 | 71615 |
| LRE14S40W240 | 71617 |



LR BA 15d

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| LRBA15D5W12 | 70941 |
| LRBA15D5W24 | 70942 |
| LRBA15D5W48 | 70943 |
| LRBA15D5W130 | 70944 |
| LRBA15D5W240 | 70945 |



LR H1

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|-----------|-------|
| LRH155W12 | 71602 |
| LRH170W24 | 71603 |



LR XENO 1J

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| LRX1J | 70912 |
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LR XENO 2J

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| LRX2J | 71634 |
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LR XENO 16J

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| LRX15-20J | 71638 |
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LR XENO 6J

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| LRX6J1F | 71639 |
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CUPOLE RICAMBIO DISPONIBILI A RICHIESTA
SPARE DOMES AVAILABLE ON REQUEST

Linea antideflagrante Atex . Explosion-proof Atex range