

HAZARDOUS AREAS

Ex APPROVED EXPLOSION-PROOF PRODUCTS



LIGHTING

Fluorescent // LED // Wellglass // Tank // Spot lights // Floodlights // Hand lamps

⚠ **Ex d, Ex de, Ex nA, Ex emb**

A complete range of lighting with dedicated design for hazardous areas. Manufactured either in stainless steel, marine grade aluminium and cast steel with an extra Polyurethane painting. Every single light brings excellent photometric properties.

Fluorescent



EVF-P.. Series

⚠ **2G Ex de IIC T4 Gb**
2D Ex tb IIIC T85°C Db IP66

- Free copper aluminum endings
- UV treat polycarbonate housing
- PC features made by 3 steps: inner PC, top side mirror and white and UV filter
- LOOP IN-LOOP OUT facility
- Instant restrike



RMS.. Series

⚠ **2G Ex de IIC T6 to T4**
2D Ex td A21 Db IP65
T85°C to T135°C

- 0.8mm AISI 304 stainless steel body
 - 4mm Tempered glass
 - Instant restrike
 - Side cable entries
- ** T6/T85°C, T5/T100°C, T4/T135°C



GRL Series

⚠ **2G Ex de IIC T4 Gb or Ex de mb IIC T4 Gb**
2D Ex tb IIIC T70°C/T80°C Db IP66

- Body in GRP + internal frame in extruded aluminum
- 90 or 120 minutes in emergency
- CESI 15ATEX015 – IECEx CES 15.0007
- Resistance to salt water corrosion
- Low costs maintenance
- Bright lighting



G2X.. Series Fluorescent & LED

⚠ **3G Ex nA IIC T6 Gc**
3D Ex tc IIIC T85°C Dc IP66

- For zone 2 and 22
- LED up to 44W and fluo up to 2x58W
- GRP housing with UV treat polycarbonate diffuser
- High impact resistance
- Emergency version 1h or 3h

Tank



EVCC-PR Serie LED & Halogen

⚠ **2G Ex d IIC T3 Gb,**
2D Ex tb IIIC T200°C Db IP65

- Free copper aluminum
- O-ring made of NBR
- Lamps included



Ev.. Series Halogen & Fluorescent

⚠ **2G Ex d IIC T Gb,**
2D Ex tb IIIC T Db IP65

- Free copper aluminum body
- Made to endure halogen or fluorescent lamp.
- Provided in a wide range of wattage

Wellglass



EV.. Series H.I.D.

⚠️ **2G Ex d IIC Gb**
2G Ex de IIC Gb
2D Ex tb IIIC Db

- Free copper aluminum body
- Luminaires are made to endure in high intensity discharge lamps, MH, & HPS
- Provided in a wide range of wattage



Spot lights



EV.. PT Series Halogen

⚠️ **2G Ex d IIC Gb**
2G Ex de IIC Gb
2D Ex tb IIIC Db IP65

- This type of lights are used where an high illumination is required
- Free copper aluminum



LED EV.. Series LED

⚠️ **2G Ex de IIC Gb,**
2D Ex tb IIIC Db IP65

- Free copper aluminum
- free from infrared and UV wavelengths
- This type of lights are used where an high illumination is required

Floodlights



LED FL.. Series LED

⚠️ **2G Ex d IIB T6 Gb or Ex d**
IIB+H2 T6 Gb,
2D Ex tb IIIC T85°C Db IP66

- Available with pole mounting and ceiling mounting
- Free copper aluminum + tempered glass
- Available with battery pack for 3h



FL.. Series Halogen

⚠️ **2G Ex d e IIB T3 Gb or**
Ex d e IIB+H2 T3 Gb,
2D Ex tb IIIC T200°C Db
IP66

- Free copper aluminum + tempered glass
- Available in AISI316 Stainless steel
- Gasket to the lid guarantee IP65
- Available with all lamps (MH,HPS,MV,HA)
- AISI 304 Stainless steel bracket

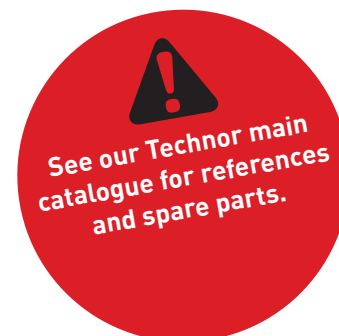
Hand lamps



LED EV.. Series LED & Halogen

⚠️ **2G Ex d IIC Gb,**
2D Ex tb IIIC Db IP65

- Portable lights with insulated handle + protection guard
- Free copper aluminum



CONTROL STATIONS

Increased safety // Flameproof

⚠ Ex d, Ex e, Ex de, Ex dem

Range of GRP, Copper free aluminium or Stainless Steel control stations designed to offer a flexible, lightweight and cost effective solution tailor made upon customer request. To be assembled with Ex de operators in case EF.. Ex de version and with PL.. operators in case of CP.. Ex d version.

Increased safety



EFXE Series - AISI316L

⚠ 2G Ex de IIC Gb , Ex mb IIC Gb

2D Ex tb IIIC Db IP66/67

- Stainless steel AISI-316L
- Acid treatment
- Hidden hinges
- Custom size up to 910x1140x50



EFXE Series - Aluminium

⚠ 2G Ex de IIC Gb, Ex mb IIC Gb

2D Ex tb IIIC Db IP66/67

- Free copper aluminum
- From -20°C to + 60°C
- Custom size up to 600x600x200mm



EFE Series – GRP

⚠ 2G Ex de IIC Gb, Ex mb IIC Gb,

2D Ex tb IIIC Db IP66/67

- Made in GRP (Glass-fiber reinforced polyester) material
- Suited for use ON and OFF-SHORE in petrochemical and marine applications
- From -20°C to + 60 °C
- Custom size up to 405x400x120mm



Flameproof



CP../EFDCN.. Series - Push button stations

 **2G Ex d IIC Gb**

2D Ex t IIIC Db IP66

- Free copper aluminum + threaded hubs
- From -50° to +60°



CP../EFSRC.. Series - Selector switches

 **2G Ex d IIC Gb**

2D Ex t IIIC Db IP66

- Free copper aluminum + threaded hubs
- Connection not damage the internal void
- From -50° to +60°



EPKZM Series – Motor protector

 **2G Ex d IIB T6 Gb**

2D Ex tb IIIC T85°C Db IP66/67

- Free copper aluminum
- Used to house motor protector circuit breakers up to 63A
- IP66/67
- From -30°C to + 55°C

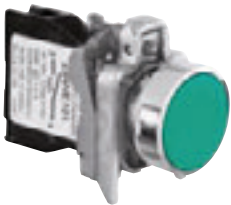
HARMATEX COMPONENTS

Increased safety

The Harmatex components range features large push button selection, with a choice of momentary or push-push actuation modes; pilot lamps and selector switches, with plastic or metal bezel.

Harmatex range offers unrivalled flexibility with a modular design accomodating up to 6 contacts per operator head.

Pushbuttons



Flush

⚠ **2G Ex d e IIC Gb, 2D Ex tb IIIC Db**
IP 65 or IP66

- Metal bezel
- White, black, green, red, yellow, blue
- From -20°C to +80° C
- ITH MAX. 10A

- Unique flexibility with modular design
- Accommodating up to six contacts per operator head



Projecting

⚠ **2G Ex d e IIC Gb, 2D Ex tb IIIC Db**
IP 65 or IP66

- Metal bezel
- White, black, green, red, yellow, blue
- From -20°C to +80° C
- ITH MAX. 10A

- Unique flexibility with modular design
- Accommodating up to six contacts per operator head



Silicone Boot

⚠ **2G Ex d e IIC Gb, 2D Ex tb IIIC Db**
IP 65 or IP66

- Metal or plastic bezel
- White, black, green, red, yellow, blue
- From -20°C to +80° C
- ITH MAX. 10A

- Unique flexibility with modular design
- Accommodating up to six contacts per operator head



Mushroom Stop

⚠ **2G Ex d e IIC Gb, 2D Ex tb IIIC Db**
IP 65 or IP66

- Metal or plastic bezel
- White, black, green, red, yellow, blue
- From -20°C to +80° C
- ITH MAX. 10A

- Unique flexibility with modular design
- Accommodating up to six contacts per operator head



Emergency Stop

⚠ **2G Ex d e IIC Gb, 2D Ex tb IIIC Db**
IP 65 or IP66

- Metal or plastic bezel
- With or without key
- From -20°C to +80° C
- ITH MAX. 10A

- Unique flexibility with modular design
- Accommodating up to six contacts per operator head



Selector switches



Standard

Ex 2G Ex d e IIC Gb
2D Ex tb IIIC Db
IP 65 or IP66

- Metal or plastic bezel
- Stay put/Spring return/Spring return to center/Spring return from right or left
- From -20°C to +80° C
- ITH MAX. 10A
- Unique flexibility with modular design
- Accommodating up to six contacts per operator head



Extended Handle

Ex 2G Ex d e IIC Gb
2D Ex tb IIIC Db
IP 65 or IP66

- Metal bezel
- Stay put/Spring return/Spring return to center/Spring return from right or left
- From -20°C to +80° C
- ITH MAX. 10A
- Unique flexibility with modular design
- Accommodating up to six contacts per operator head



Keyed

Ex 2G Ex d e IIC Gb
2D Ex tb IIIC Db
IP 65 or IP66

- Metal bezel
- Stay put/Spring return/Spring return to center/Spring return from right or left
- Left/Right/0 Key withdrawal
- From -20°C to +80° C
- ITH MAX. 10A
- Unique flexibility with modular design
- Accommodating up to six contacts per operator head

Contacts – NO or NC



Ex 2G Ex d e IIC Gb
2D Ex tb IIIC Db
IP 65 or IP66

- ITH MAX. 10A
- Unique flexibility with modular design

Pilot lights & lamps



Lamps

Ex 2G Ex d e IIC Gb
2D Ex tD A21 Db IP66

- Spare pilot light body white, red, yellow, blue / spare pilot light body for green
- Unique flexibility with modular design



Plastic or metal bezels

Ex d COMPONENTS

Flameproof

Ex d components are available in a wide range of operators/pilot lights PL series and selectors PSRC series; allow numerous combinations with our CP../CPS.. EFDCN/EFSRC series.

PL.. series includes standard push buttons, emergency push buttons, key selector switches, pilot lights; mechanical operators allow the assembling of a maximum of four contacts.

PSRC.. series includes on-load switches, change over switches, step switches and selector customized upon request on the base of customer specification.

Pushbuttons



Momentary Non-Locking Locking

2G Ex d IIC Gb
2D Ex tD A21 Db IP66/67

- PL.. type
- Black, red, green, blue, yellow ,white
- Temperature from -50°C to +60°C
- ITH MAX. 6A
- Barrel thread : metric M32x1.5
- Compact
- fast installation and changes
- low maintenance costs



Mushroom Twist Mushroom Keyed

2G Ex d IIC Gb
2D Ex tD A21 Db IP66/67

- PLC-S / PLC-S-F / PLC-I type
- Red color
- With or without key
- Temperature from -50°C to +60°C
- ITH MAX. 6A
- Barrel thread : metric M32x1.5
- Compact
- Fast installation and changes
- Low maintenance costs



Mechanical Operators

2G Ex d IIC Gb
2D Ex tD A21 Db IP66/67

- PLC RESTORE/PLC RESET type
- Green,red , black
- Temperature from -50°C to +60°C
- ITH MAX. 6A
- Barrel thread : metric M32x1.5
- Compact
- Fast installation and changes
- Low maintenance costs





Switches



Keyed Selector

2G Ex d IIC Gb
2D Ex tD A21 Db IP66/67

- PLF type
- Key withdrawal or not
- Temperature from -50°C to +60°C
- ITH MAX. 6A
- Barrel thread : metric M32x1.5
- Compact
- Fast installation and changes
- Low maintenance costs



On-load Switches

2G Ex d IIC Gb
2D Ex tD A21 Db IP66/67

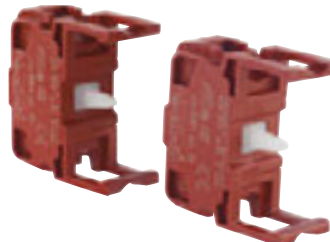
- PSRC type
- From 1 to 4 number of poles
- From 20 to 100 A
- Temperature from -50°C to +60°C
- ITH MAX. 6A
- Barrel thread : metric M32x1.5
- Compact
- Fast installation and changes
- Low maintenance costs

Contacts



Normally Open

- Blue and red
- Temperature from -50°C to +60°C
- ITH MAX. 6A
- Barrel thread : metric M32x1.5
- Compact
- Fast installation and changes
- Low maintenance costs



Normally Closed

- Blue and red
- Temperature from -50°C to +60°C
- ITH MAX. 6A
- Barrel thread : metric M32x1.5
- Compact
- Fast installation and changes
- Low maintenance costs

Pilot lights & lamps



Pilot Lights

2G Ex d IIC Gb
2D Ex tD A21 Db IP66/67

- Series lockable momentary push buttons
- PLA type/PLB type
- White, red, green, yellow and blue
- Temperature from -50°C to +60°C
- ITH MAX. 6A
- Barrel thread : metric M32x1.5
- Compact
- Fast installation and changes
- Low maintenance costs



LED Lamps 12 / 24 / 48 / 110 / 220V

- LED type
- red, green, yellow, white and blue
- Temperature from -50°C to +60°C
- ITH MAX. 6A
- Barrel thread : metric M32x1.5
- Compact
- Fast installation and changes
- Low maintenance costs

SPECIFIC ENCLOSURES

Explosion group IIB+H₂
Explosion group IIC

⚠ **Ex d IIB, IIB+H₂ and IIC**

- High level of corrosion resistance
- Robust construction
- Consolidated safety product
- Highest level of achievable safety
- Ideal for extreme conditions
- Non Ex components (QPREX)

Explosion group IIB + H₂



EJB.. Series - Aluminium

⚠ **2G Ex d IIB Gb or Ex d IIB+H₂ Gb**

2D Ex tb IIC Db IP65 or 66 or 67

- Free copper aluminum
- Suited for indoor and outdoor applications
- Screws and hardware are made of AISI316 stainless steel
- From -50°C up to +60°C
- IP65/66/67 + flanged joint coated with silicone grease



EJB.. Series - Stainless steel AISI316L or Galvanized carbon steel (iron)

⚠ **2G Ex d IIB Gb or Ex d IIB+H₂ Gb**

2D Ex tb IIC Db IP65 or 66 or 67

- Stainless steel AISI316 L
- Suited for indoor and outdoor applications
- Screws and hardware are made of AISI316 stainless steel
- From -50°C up to +60°C
- IP65/66/67 + flanged joint coated with silicone grease

Explosion group IIC



Pressurized cabinets QPREX series - Stainless steel AISI316L, 304 or painted sendzimir steel

⚠ **2G Ex P IIC T6 to T4 Gb/Gc**

2D Ex P IIC T85°C to T135° C Db/Dc

- Modular and adaptable system
- Customized volume up to 10m³
- Ability to mount non Ex components



Explosion group IIC



GUB.. Series Aluminium

 **2G Ex d IIC Gb**
2D Ex tb IIIC Db IP66

- Free copper aluminum & Stainless steel AISI316L (upon request)
- Suited for indoor and outdoor applications
- Can be equipped with different components like push buttons, rotating switches..
- From -50°C to +55°C (ATEX) – From -60°C to +60°C (IECEX)



GUB../QL Series Aluminium

 **2G Ex d IIC Gb**
2D Ex tb IIIC Db IP66

- Free copper aluminum
- Suited for indoor and outdoor applications
- Can be equipped with different components like push buttons, rotating switches..
- From -50°C to +55°C (ATEX) – From -60°C to +60°C (IECEX)



GUB/EMH.. Series Aluminium

 **2G Ex d IIC Gb**
2D Ex tb IIIC Db IP66

- Free copper aluminum
- Suited for indoor and outdoor applications
- From -50°C to +55°C (ATEX) – From -60°C to +60°C (IECEX)
- Window diameter from 155 to 230 mm



CPS../EMH Aluminium

 **2G Ex d IIC Gb**
2D Ex tb IIIC Db IP66

- Free copper aluminum
- Suited for indoor and outdoor applications
- From -50°C to +55°C

JUNCTION BOXES

Increased safety // Flameproof

Ex d, Ex e and Ex ia

The AQ/AR range of stainless steel AISI-316L enclosure used as instrument and electrical terminal boxes, where an explosive atmosphere may be present and are especially recommended for chemical agent environments, sea-water corrosion resistance and extremes of low and high temperature, offshore and onshore oriented.

The CP./CPS.. range of copper free aluminium enclosures, used for terminals wiring, grants Ex d or Ex e mode of protection. Internal and external screws are made of AISI316 stainless steel. This series is tailor made on the base of customer specification, including quantity and type of terminals. These boxes are suitable for hazardous areas of industrial plants for indoor and outdoor applications.

Increased safety



AQ../AR.. Series GRP

Ex 2G Ex e IIC Gb / Ex ia Ga IIC,
2D Ex tb IIIC Db IP66/67

- Made in GRP (Glass-fiber reinforced polyester) material
- From -50°C to +60°C



AQ../AR.. Series Aluminium low thickness

Ex 2G Ex e IIC Gb / Ex ia Ga IIC,
2D Ex tb IIIC Db IP66/67

- Free copper aluminum
- From -50°C to +60°C



AQ../AR.. Series Aluminium high thickness

Ex 2G Ex e IIC Gb / Ex ia Ga IIC
2D Ex tb IIIC Db IP66/67

- Free copper aluminum
- From -50°C to +60°C
- External hardware and screws are made in AISI304 Stainless steel
- Custom size to 332x332x178mm



SB.. Series AISI316 L Stainless steel

Ex 2G Ex e II
2D Ex tD A21 IP66/68

- Made of AISI316L Stainless steel
- Dimension can be customized up to 1000mm x2000mm x (depth upon request)
- Acid treatment
- From -50°C to +60°C

Flameproof



CP../CPS.. Series Aluminium

Ex 2G Ex d IIC Gb
2D Ex tb IIIC Db IP66

- Free copper aluminum + threaded hubs
- Empty housing
- Screws are made of AISI316 L
- From -50°C to +60°C

CABLE GLANDS & FITTINGS

Unarmoured cable // Armoured cable // Fittings

Ex d/e

Single seal, double seals cable glands, suitable for unarmoured and armoured cables. Nickel-chrome plated brass, stainless steel and aluminium made, hexagon shape, anti-ageing EPDM oil resistant gaskets. These cable glands are suitable for Category II (classified Area Zone 1 & 2 and Zone 21 & 22) and category I (Mines).

Unarmoured cable



Single/ Double Seal

Ex II 2GD Ex db/eb IIC
I M2 Ex db/eb I
Ex tb IIIC IP66

- Nickel chrome plated brass – AISI316L-Stainless steel (other material upon request)
- Internal seal are in EPDM
- From -52°C to +110°C
- Robust
- Suitable for offshore application

Armoured cable



Single/ Double Seal

Ex II 2GD Ex db / eb IIC
I M2 Ex db/eb I
Ex tb IIIC IP66

- Nickel chrome plated brass – AISI316L Stainless steel (other materials upon request)
- From -52°C to +110°C
- Internal seals are in EPDM (Ethylene-Propylene diene Monomer)
- Robust
- Suitable for offshore application

Fittings



Unions



Open elbows



Sealing fittings



Bushings



Nipples



Hexagonal plugs



Couplings



Reductions



Female-Female elbow



Adaptors

VISUAL SIGNAL

Warning Lights // Aircraft obstruction signals

Ex d, Ex de IIC

The state-of-the-art in AWL... Aircraft Warning Lights, LIOL, MIOL with LED technology, reliable long life and maintenance saving products, in compliance with ICAO and FAA, along with signalization unit like beacons, flashing unit, rotating light.

Warning Lights



EV../ROT Series Rotating Signal

Ex d IIC Gb
Ex de IIC Gb
2D Ex tb IIIC Db IP66

- Free copper aluminum + tempered glass
- Range of rotating lamp visual signals
- O-ring gaskets are made of NBR (Nitrile Rubber)
- The lamp is red (other colors are available upon request)
- From -52°C to +60 °C



EV../XN-MXN Series Xenoflash

Ex d IIC Gb
2G Ex de IIC Gb
2D Ex tb IIIC Db IP66

- Range of xenoflash visual signals complete with Fresnel lens available in 3 different luminous intensities : 2J, 6J, 15J
- Free copper aluminum + tempered glass
- O-ring gaskets are made of NBR (Nitrile Rubber)
- The lamp is red (other colors are available upon request)
- From -52°C to +60 °C

Aircraft obstruction signals



EV../WA.. series Low intensity (LIOL)

Ex d IIC Gb,
Ex de IIC Gb
2D Ex tb IIIC Db IP66

- Range of low intensity aircraft warning lights, for structures below 45mt
- Free copper aluminum
- Available with halogen or LED lamp
- Halogen versions supplied with red metacrilate dome
- From -52°C to +60 °C



EVCC.. series Medium intensity (MIOL)

Ex d IIC Gb
2D Ex tb IIIC Db IP66

- Free copper aluminum
- Utilizes LED technology to deliver low heat dissipation + low W consumption and up to 100.000/hours maintenance free operation
- The product is fully compliant with ICAO Annex 14
- LED included
- Lamps colors : Red, white or red and white

EARTHING SYSTEMS

Earthing control system

⚠️ Ex d IIC T5 Gb

Control and discharge system for electrostatic charges suitable for road tankers, rail tankers and any movable tanker for dangerous items, ready for one/two double circuit clamps PTA ISE0-2. System is complete with arrest/consensus optical warning and changeover contact free from output voltage.

The need to transfer from one place to another dangerous flammable fuels and liquids as gasoline and diesel highlighted the serious risk due to uncontrolled discharge of static charges cumulated on movable tanker-units during transfers following the well known natural phenomena when connected to loading / downloading tools (fixed).

Earthing control system



GUMT

⚠️ 2G Ex d IIC T5 Gb 2D Ex tb IIIC T100°C Db IP66

- Free copper aluminum
- System is complete with arrest/consensus optical warning and changeover contact free from output voltage
- From -20°C to +55°C
- 3 entries M20x1.5, one complete with brass nickel chrome plated plug

Clamp



PTA Series

⚠️ 2G Ex d IIC T6 2D Ex tD A21 IP65 T85°C

- Reliable, robust, handy and easy to use
- They can be easily connected to any grip, even rusty ones
- 11 mt of cable length
- From -20°C to +55°C

PLUGS, SOCKET-OUTLETS & BOXES

DECONTACTOR™ // Multi-contacts // Single-pole power connectors // Socket-boxes

The plugs and sockets as well as socket-outlet boxes and junction boxes in this range are meant for use in hazardous areas in compliance with the ATEX 94/9/EC Directive and as per the IECEx in zones 1 and 2 (Gas) and zones 21 and 22 (Dust).

DECONTACTOR™ (switch rated plug & socket)



DXN - 20 A / 32 A / 63 A

⚠ II2 G D Ex de IIC Gb

- Integrated load-break switch
- Robust and compact design
- High performance GRP casing
- Self-ejecting version available
- IP66/IP67 water & dust-tight



DX - 20 A / 32 A / 63 A / 125 A / 200 A

⚠ II2 G D Ex de IIC Gb

- Integrated load-break switch
- Locking in on/off positions by keying axis
- Corrosion-free metal casing
- IP65 water & dust-tight

Multi-contacts



PXN12C / DXN25C / DXN37C - 10 A

⚠ II2 G D Ex e IIC

- From 12 to 37 contacts
- Crimp or soldered contact
- Quick and easy assembly and disassembly
- Locking in connected or disconnected position
- Corrosion-free metal casing



Single-pole power connectors



SPeX - 680 A

 II 2 G D Ex e IIC

- Electromechanical interlocking system
- Mechanic and visual keying
- High performance poly casing
- IP65/IP66 water & dust-tight

Compact connectors



PNCX - 5 A

 II 2 GD Ex e IIC

- Zones 1 / 2 (gas) and 21/22 (dust)
- 5 contacts
- Compact and easy to use
- Long life
- IP66/IP67 watertight (IP68 according to specification)



Socket-boxes & Junction boxes



MXBS / B2X - Up to 350 A

 II 2 G D Ex e IIC

- Combination of multi-contact connectors and socket-outlets on the same distribution box
- Glass reinforced, graphite-filled polyester resin enclosures
- IP66 water & dust-tight



Configure your own Control Station

Aera of information

ZONING

GAS 1 21

DUST 21 22

EXPLOSION GROUP

IIA IIB IIC

TEMPERATURE CLASS

T4 T5 T6

TEMPERATURE

AMBIENT °C - °C UP TO + °C

RATED VOLTAGE :

V

MODE OF PROTECTION :

EXD EXE EXI OTHER :

MATERIAL :

ALUMINUM STAINLESS STEEL GRP

NUMBER OF ACTIVATOR OR FRONT SIDE :

LEGEND		REQUIREMENTS		
		OPERATOR	COLOR	CONTACTS/POLES
1	PUSH BUTTON MOMENTARY			
2	PUSH BUTTON STEADY			
3	EMERGENCY P.B.			
4	2 POS. SELECTOR			
5	3 POS. SELECTOR			
6	KEY SELECTOR SWITCH			
7	PILOT LIGHT			
8	SPECIAL SELECTOR (PROVIDE DIAGRAM)			
9	METER : TO BE SPECIFIED			
10	OTHER : TO BE SPECIFIED			

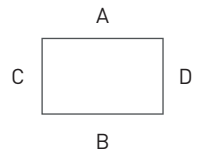
WIRING :

YES NO (DIRECT WIRING)

ENTRY SPECIFICATION :

METRIC INCHES

SIZE	M20 - 1/2"				M25 - 3/4"				M32 - 1"				M40 - 1 1/2"				M50 - 1 1/4"				M63 - 2"			
ENCLOSURE SIDE	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
POLY GLAND																								
METAL GLAND																								
ARMOURED GLAND																								
POLY PLUG																								



COMPLEMENTARY INFORMATION :

CONTACT DETAILS

REQUEST FOR QUOTATION

NAME : _____

COMPANY : _____

EMAIL ADDRESS : _____

ADDRESS : _____

REQUEST FOR SALES ENGINEER VISIT

PHONE NUMBER : _____

FAX NUMBER : _____

COMMENTS : _____



Lighting requirements

Aera of information

ZONING

GAS 1 2
 DUST 21 22

EXPLOSION GROUP

IIA IIB IIC

TEMPERATURE CLASS

T1 T2 T3 T4 T5 T6

TEMPERATURE

AMBIENT °C - °C UP TO + °C

RATED VOLTAGE :

VOLTAGE V FREQUENCY HZ

MODE OF PROTECTION :

EXD EXE OTHER :

MATERIAL :

ALUMINUM STAINLESS STEEL

TYPE OF LAMP :

FLUORESCENT SODIUM
 METAL HALIDE MERCURY
 HALOGEN LED

IP :

65 66 67

TYPE OF LIGHTING :

1 TUBE LANTERN/
 WELLGLASS
 2 TUBE FLOODLIGHT

POWER NEEDS : W

MOUNTING SUPPORT :

WALL CEILING POLE

EMERGENCY VERSION :

YES DURATION TIME 60 MIN 90 MIN 120 MIN

ENTRY SPECS :

Number of Entries

Size needed M20 M25 M32 M40

Armoured cable Yes No

Cable detail

CONTACT DETAILS

REQUEST FOR QUOTATION REQUEST FOR SALES ENGINEER VISIT

NAME : _____ PHONE NUMBER : _____
 COMPANY : _____ FAX NUMBER : _____
 EMAIL ADDRESS : _____ COMMENTS : _____
 ADDRESS : _____



Junction Box request

Aera of information

ZONING

GAS 1 2
 DUST 21 22

EXPLOSION GROUP

IIA IIB IIC

TEMPERATURE CLASS

T1 T2 T3 T4 T5 T6

TEMPERATURE

AMBIENT °C - °C UP TO + °C

APPROVAL REQUEST

EXD EXE IMMETRO OTHER :

NETWORK INFO

VOLTAGE V NOMINAL CURRENT A

PROTECTION MODE REQUEST

EXD EXE EXI OTHER :

MATERIAL :

ALUMINUM STAINLESS STEEL GRP

LABELLING INFO

NUMBER OF TERMINAL REQUEST

Terminal 4 mm² 6 mm² 10 mm² 16 mm² 25 mm² 35 mm² 50 mm² 70 mm²

Earth Terminal

ENTRY SPECIFICATION :

METRIC INCHES

SIZE	M20- 1/2"				M25 - 3/4"				M32 - 1"				M40 - 1 1/4"				M50 - 1 1/2"				M63 - 2"			
	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
ENCLOSURE SIDE																								
RESIN GLAND																								
METAL GLAND																								
ARMOURED GLAND																								
RESIN PLUG																								
METAL PLUG																								

A

B

C

D

WITH CONTINUITY PLATE

COMPLEMENTARY INFORMATION : WIRING, CABLE TYPE AND SIZE, ATTACHED DRAWINGS, TYPE OF GLAND REQUEST

CONTACT DETAILS

REQUEST FOR QUOTATION REQUEST FOR SALES ENGINEER VISIT

NAME : _____ PHONE NUMBER : _____

COMPANY : _____ FAX NUMBER : _____

EMAIL ADDRESS : _____ COMMENTS : _____

ADDRESS : _____

NON Ex PRODUCTS FOR SAFE AREA

Industrial power supply



DECONTACTOR™ & CONNECTORS 16 A to 250 A

- DSN, DS & DN DECONTACTOR™ ranges cover applications from 20 A to 250 A.
- PNC & PN are compact 16 A & 30 A connectors design for all type of environment found in many industrial sectors.

Signal & control



MULTICONTACT CONNECTORS 5 to 37 contacts - 5 A to 30 A Low currents: 4 mA to 20 mA

- Multicontact can hook up equipment to a power supply and transmit data.
- The silver-nickel alloy used for the butt contacts provides exceptional conductivity and longevity.
- Excellent resistance, even in harsh conditions, thanks to GRP or metal casing.
- The connectors can be mounted and demounted quickly and easily.

High current

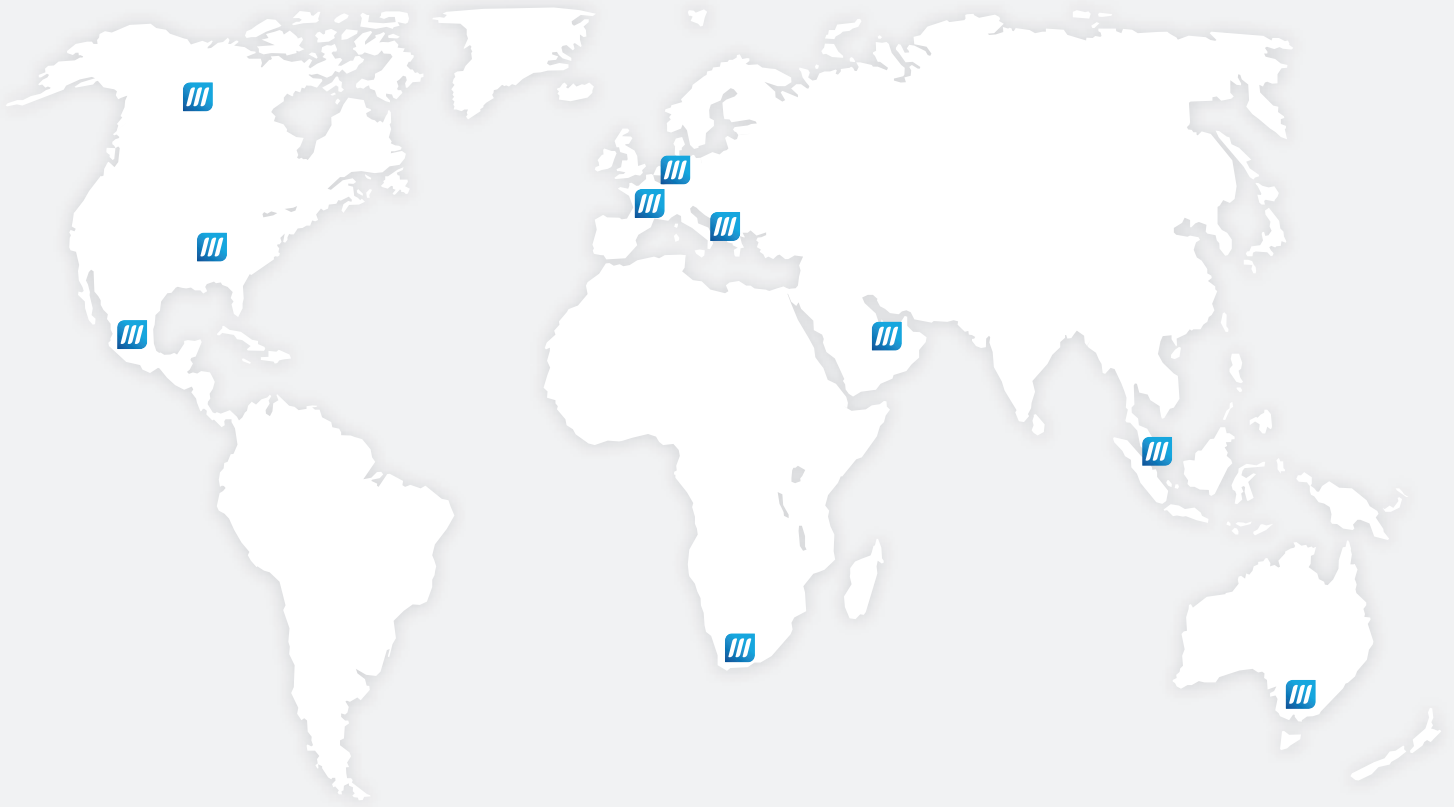


PLUGS & SOCKETS AND CONNECTORS Up to 700 A - 1 000 V

- MARECHAL® high-current plugs offer a reliable solution for connections even under the harshest environments.

NON CONTRACTUAL DOCUMENT AND PICTURES

All the indications appearing in this catalogue are indicative and could not constitute a commitment on our part. We reserve the right to alter specifications of our products without any prior notice in our efforts to continuously improve our products features. For your information, the most updated version is the one of our website marechal.com.



Spain

Isabel Colbrand, 10 nave 10
28050 Madrid
Tel.: +34 91 358 86 12
Fax: +34 91 358 89 70
e-mail: contact@marechal.com

Italy

Via Italia 33,
20060 Gessate (MILANO)
Tel.: +39 02 95 38 04 06
Fax: +39 02 95 38 08 58
e-mail: sales.it@marechal.com

Benelux

Hogehilweg 16-4
1101 CD Amsterdam Zuidoost
The Netherlands
Tel.: +31 (0)6 52 56 40 81
Fax: +31 (0)84 870 02 13
e-mail: sales.nl@marechal.com

United Kingdom

Lincoln House
4th floor
300 High Holborn
London WC1V 7JH
United Kingdom
e-mail: sales.uk@marechal.com

HEAD OFFICE

5, avenue de Presles
F-94417 Saint-Maurice Cedex
Phone : +33 (0)1 45 11 60 00
Fax : +33 (0)1 45 11 60 60
e-mail: contact@marechal.com

**Germany / Austria / Switzerland /
East Europe / Russia**

MARECHAL GmbH
Im Lossenfeld 8
D-77731 Willstätt-Sand
Tel.: +49 (0)7852 / 91 96-0
Fax: +49 (0)7852 / 91 96-19
e-mail: info.de@marechal.com

Africa SADC area

HYCON MARECHAL TECHNOLOGY
PO Box 13875 Witfield 1467
Unit A1 Harvard Lane
Aero Star Business Park
Jet Park Road
Jet Park
Tel.: +27 11 894 7226/7/8
Fax: 086 604 1778
e-mail: sales@hyconelec.co.za

USA / Canada / Mexico

MELTRIC Corporation
4640 Ironwood Drive
Franklin, Wisconsin
53132
Tel.: 800 433 7642
Fax: +1 414 817 6161
e-mail: mail@meltric.com

Middle East

Technor Middle East DMCC
Unit No.2101, Fortune Executive Tower,
Plot No.T1
Jumeirah Lakes Towers P.O. Box 392054
Dubai, United Arab Emirates
Tel. : +971 4 362 1418
Fax: +971 4 362 1419
e-mail: mail@technor.ae

Asia

MARECHAL ELECTRIC Asia Pte Ltd
9 Tagore Lane
#01-05 9@Tagore
Singapore 787472
Tel.: +65 6554 2722
Fax: +65 6455 9077
e-mail: sales.asia@marechal.com

Australia

MARECHAL AUSTRALIA PTY LTD
20 Technology Circuit
HALLAM VIC 3803
Tel: +61 1300 661 830
Fax: +61 1300 663 510
e-mail : sales@marechal.com.au

For any other country or area, please contact head office.