

DX Hazardous Location plug and receptacle



Main Advantages

- ▶ Rugged Construction, cost effective design
- ▶ Rated for Zone 1 and Zone 21 applications



- | | | | |
|----------------------------|--------|--------------|--------|
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PRODUCT FEATURES



Operating Instructions



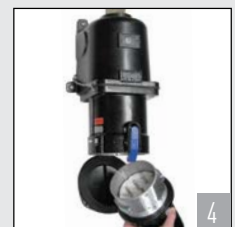
When a DX is connected there is total safety.



Pressing the pawl while turning the plug about 30° counterclockwise causes the circuit to be broken.



Press the pawl while withdrawing the plug from the receptacle. This is done in complete safety because the circuit is already dead.



The plug and receptacle are separated. The safety shutter prevents access to live parts.

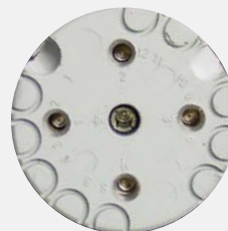
5 To reconnect, insert plug into receptacle fully, then twist the plug approximately 30° clockwise to make the circuit.

General Ratings

| | |
|---------------|--|
| Amperage | 20 to 125A |
| Voltage | 750 VAC |
| Frequency | 50-400 Hz |
| Environmental | IP65 |
| Temperature | min -13°F/max 140°F* [DX1/DX3] min -40°F/max 140°F* [DX6/DX9] |

Highlighted Feature

Dead Front



The dead front on the DX receptacle provides protection from accidental tool and wire insertion.

HAZARDOUS LOCATION

DX Certifications

Hazardous Duty Certification

ATEX and IECEx



II 2 G/D Ex de IIC tD A21

- II** – Indicates suitability for installation in surface applications (as opposed to underground mine applications).
- 2** – Indicates suitability for use where a high level of protection is required and where the presence of an explosive atmosphere is likely to occur (Zone 1 and Zone 21 environments).
- G/D** – Indicates suitability for installation in areas that may contain flammable gases, vapors/mists, or dusts.
- Ex de** – Protection method for gas atmospheres indicating that explosion protection is provided with (e) increased safety in the conductor termination area, and (d) explosion proof chambers for making and breaking the current that can withstand the pressure of internal ignition and that prevent arcs, flame or other ignition events from being communicated to the surrounding atmosphere.
- IIC** – Indicates suitability for installation in areas where exposure to any type of gas, including the most dangerous subdivision C gases may occur.
- tD** – Protection method for dust atmospheres indicating that explosion protection is provided by the type of enclosure (casing) used.
- A21** – Indicates a dust tight enclosure (IP6x) is used to achieve a Zone 21 rating.

ATEX & IECEx certification was performed by LCIE.

* Temperature ratings vary depending on product and ambient temperature. See specific product section for temperature ratings.

Electrical Performance Testing

| Key Performance Tests Passed | | | | |
|------------------------------|----------------------|-----------------------------------|-------------------------------|-----------------------|
| Model | Mechanical Endurance | Electrical Endurance ¹ | Overload Testing ² | Dielectric Test |
| DX1 | - | 5000 Operations | 50 Operations | 2 x V (rated) + 1000V |
| DX3 | 1000 Cycles | 1000 Operations | 50 Operations | 2 x V (rated) + 1000V |
| DX6 | 1000 Cycles | 1000 Operations | 50 Operations | 2 x V (rated) + 1000V |
| DX9 | 1000 Cycles | 1000 Operations | 50 Operations | 2 x V (rated) + 1000V |

¹ @ 100% of rated current and voltage and 0.6 power factor.

² @ 125% of rated current, 110% of rated voltage, & 0.6 power factor.

DX complies with

| | |
|--------|----------------------|
| ATEX | 2014/35/EV Directive |
| IEC/EN | 60079-0 |
| | 60079-1 |
| | 60079-7 |
| | 60079-31 |

DX Operation

Connection

1



Insertion of the Plug

As the plug contact is inserted, it engages and depresses the 'dead' switching contact.

This releases the locking mechanism. The switching contact is free to operate.

2



Charging the Operating Spring

Clockwise rotation of the inserted plug winds the operating spring and rotates the switching contact into position to engage with the live receptacle contact.

3



Making the Circuit

With the final few degrees of rotation, the switching contact is released and force from the spring quickly drives it into engagement with the live receptacle contact.

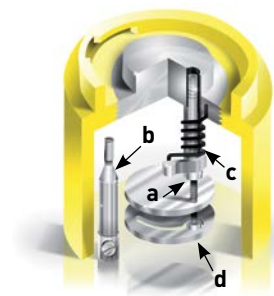
Disconnection



After depressing the pawl, the plug is rotated in a counter-clockwise direction. This frees the switching contact for operation and the release of the remaining spring tension causes a quick breaking of the contacts. The plug may now be removed, if desired.



Receptacle with Plug Disconnected



- a. **Switching Contact**
Shown in the open (dead) position
- b. **'Live' Receptacle Contact**
Accessibility is denied
- c. **Operating Spring**
Shown with tension released
- d. **Mechanical Locking Device**
Blocks contact operation

DX1 Hazardous Location Plugs & Receptacles – 20A

Devices rated for hazardous locations are not returnable.

Ratings

- **Max Amperage & Voltage**
20A, 750 VAC
- **Environmental Ratings**
IP65
- **Temperature Range**
Min -13°F/Max 140°F
- **Wiring Capacity**
Min 14 AWG Max 8 AWG
* Based on THHN wire sizes
- **Applicable Standards**
ATEX, IECEx
- **Hazardous Location Ratings**

MARECHAL ELECTRIC MAROMME
II2 G/D Ex de IIC tD A21
-25°C ≤ Ta ≤ +60°C T5 T84°C
-25°C ≤ Ta ≤ +50°C T6 T74°C
IECEx LCI 09.0014/LCIE 05 ATEX 6127

XXX Suffix / Cable Range

| XXX (Suffix #) | Cable Range |
|----------------|-------------|
| -20M | .31" - .51" |
| -25M | .35" - .63" |

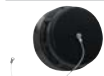
XX Suffix / NPT Size

| NPT Thread Size | XX (Suffix #) |
|-----------------|---------------|
| 1/2" | -12 |
| 3/4" | -34 |
| 1" | -1 |

NPT sizes are determined by the cable diameter and third party cord grip.

Accessories

Protective Cap



For Male
Devices Only

DX20 26-2A126

Metal Wall Box



| NPT | Part # |
|------|-------------|
| 1/2" | 26-2A023-12 |
| 3/4" | 26-2A023-34 |
| 1" | 26-2A023-1 |

Plug
(Male inlet w/handle)



Inlet w/cap on box
(Male)



or

North American Configurations

| Voltage | Polarity | Part # | |
|---------|----------|--------------|-------------|
| | | Metal | Metal |
| 120V | 1P+N+G | 26-21165-XXX | 26-26165-XX |
| 125V | 1P+N+G | 26-21075-XXX | 26-26075-XX |
| 208V | 2P+G | 26-21162-XXX | 26-26162-XX |
| 208V | 3P+G | 26-21163-XXX | 26-26163-XX |
| 208V | 3P+N+G | 26-21167-XXX | 26-26167-XX |
| 250V | 2P+G | 26-21072-XXX | 26-26072-XX |
| 250V | 3P+G | 26-21073-XXX | 26-26073-XX |
| 250V | 2P+N+G | 26-21076-XXX | 26-26076-XX |
| 277V | 1P+N+G | 26-21045-XXX | 26-26045-XX |
| 480V | 2P+G | 26-21042-XXX | 26-26042-XX |
| 480V | 3P+G | 26-21043-XXX | 26-26043-XX |
| 480V | 3P+N+G | 26-21047-XXX | 26-26047-XX |
| 600V | 3P+G | 26-21143-XXX | 26-26143-XX |

For international configurations (IEC/CE) visit meltric.com/international-catalog or contact customer service at 800.433.7642.

Connector
(female recept w/handle)



Receptacle on box
(female)



Receptacle
(female)



or

or

North American Configurations

| Voltage | Polarity | Part # | | |
|---------|----------|--------------|-------------|----------|
| | | Metal | Metal | Metal |
| 120V | 1P+N+G | 26-23165-XXX | 26-20165-XX | 26-24165 |
| 125V | 1P+N+G | 26-23075-XXX | 26-20075-XX | 26-24075 |
| 208V | 2P+G | 26-23162-XXX | 26-20162-XX | 26-24162 |
| 208V | 3P+G | 26-23163-XXX | 26-20163-XX | 26-24163 |
| 208V | 3P+N+G | 26-23167-XXX | 26-20167-XX | 26-24167 |
| 250V | 2P+G | 26-23072-XXX | 26-20072-XX | 26-24072 |
| 250V | 3P+G | 26-23073-XXX | 26-20073-XX | 26-24073 |
| 250V | 2P+N+G | 26-23076-XXX | 26-20076-XX | 26-24076 |
| 277V | 1P+N+G | 26-23045-XXX | 26-20045-XX | 26-24045 |
| 480V | 2P+G | 26-23042-XXX | 26-20042-XX | 26-24042 |
| 480V | 3P+G | 26-23043-XXX | 26-20043-XX | 26-24043 |
| 480V | 3P+N+G | 26-23047-XXX | 26-20047-XX | 26-24047 |
| 600V | 3P+G | 26-23143-XXX | 26-20143-XX | 26-24143 |

For international configurations (IEC/CE) visit meltric.com/international-catalog or contact customer service at 800.433.7642.

DX3 Hazardous Location Plugs & Receptacles – 32A

Devices rated for hazardous locations are not returnable.

Plug
(Male inlet w/handle)



or

Inlet w/cap on box
(Male)



North American Configurations

| Voltage | Polarity | Part # Metal | Part # Metal |
|---------|----------|-----------------|-----------------|
| 120V | 1P+N+G | 26-31165-XXX | 26-36165-XX |
| 125V | 1P+N+G | 26-31075-XXX | 26-36075-XX |
| 208V | 2P+G | 26-31162-XXX | 26-36162-XX |
| 208V | 3P+G | 26-31163-XXX | 26-36163-XX |
| 208V | 3P+N+G | 26-31167-XXX | 26-36167-XX |
| 250V | 2P+G | 26-31072-XXX | 26-36072-XX |
| 250V | 3P+G | 26-31073-XXX | 26-36073-XX |
| 250V | 2P+N+G | 26-31076-XXX | 26-36076-XX |
| 277V | 1P+N+G | 26-31045-XXX | 26-36045-XX |
| 480V | 2P+G | 26-31042-XXX | 26-36042-XX |
| 480V | 3P+G | 26-31043-XXX | 26-36043-XX |
| 480V | 3P+N+G | 26-31047-XXX | 26-36047-XX |
| 600V | 3P+G | 26-31143-XXX | 26-36143-XX |

For international configurations (IEC/CE) visit meltric.com/international-catalog or contact customer service at 800.433.7642.

Connector
(female recept w/handle)



or

Receptacle on box
(female)



or

Receptacle
(female)



North American Configurations

| Voltage | Polarity | Part # Metal | Part # Metal | Part # Metal |
|---------|----------|-----------------|-----------------|-----------------|
| 120V | 1P+N+G | 26-33165-XXX | 26-30165-XX | 26-34165 |
| 125V | 1P+N+G | 26-33075-XXX | 26-30075-XX | 26-34075 |
| 208V | 2P+G | 26-33162-XXX | 26-30162-XX | 26-34162 |
| 208V | 3P+G | 26-33163-XXX | 26-30163-XX | 26-34163 |
| 208V | 3P+N+G | 26-33167-XXX | 26-30167-XX | 26-34167 |
| 250V | 2P+G | 26-33072-XXX | 26-30072-XX | 26-34072 |
| 250V | 3P+G | 26-33073-XXX | 26-30073-XX | 26-34073 |
| 250V | 2P+N+G | 26-33076-XXX | 26-30076-XX | 26-34076 |
| 277V | 1P+N+G | 26-33045-XXX | 26-30045-XX | 26-34045 |
| 480V | 2P+G | 26-33042-XXX | 26-30042-XX | 26-34042 |
| 480V | 3P+G | 26-33043-XXX | 26-30043-XX | 26-34043 |
| 480V | 3P+N+G | 26-33047-XXX | 26-30047-XX | 26-34047 |
| 600V | 3P+G | 26-33143-XXX | 26-30143-XX | 26-34143 |

For international configurations (IEC/CE) visit meltric.com/international-catalog or contact customer service at 800.433.7642.

Ratings

- **Max Amperage & Voltage**
32A, 750 VAC
- **Environmental Ratings**
IP65
- **Temperature Range**
Min -13°F/Max 140°F
- **Wiring Capacity**
Min 14 AWG Max 8 AWG
* Based on THHN wire sizes
- **Applicable Standards**
ATEX, IECEx
- **Hazardous Location Ratings**

MARECHAL ELECTRIC MAROMME
I12 G/D Ex de IIC tD A21
-25°C ≤ Ta ≤ +60°C T5 T84°C
-25°C ≤ Ta ≤ +50°C T6 T74°C
IECEX LCI 09.0014/LCIE 05 ATEX 6127

XXX Suffix/Cable Range

| XXX (Suffix #) | Cable Range |
|----------------|-------------|
| -25M | .35" - .63" |
| -32M | .47" - .83" |

XX Suffix/NPT Size

| NPT Thread Size | XX (Suffix #) |
|-----------------|---------------|
| 1/2" | -12 |
| 3/4" | -34 |
| 1" | -1 |

NPT sizes are determined by the cable diameter and third party cord grip.

Accessories

Protective Cap



For Male Devices Only

DX30

26-3A126

Metal Wall Box



NPT

Part #

1/2"

26-3A023-12

3/4"

26-3A023-34

1"

26-3A023-1

DX6 Hazardous Location Plugs & Receptacles – 63A

Devices rated for hazardous locations are not returnable.

Ratings

- **Max Amperage & Voltage**
63A, 750 VAC
- **Environmental Ratings**
IP65/IP66
- **Temperature Range**
Min -40°F/Max 140°F
- **Wiring Capacity**
Min 6 AWG Max 1/0 AWG
* Based on THHN wire sizes
- **Applicable Standards**
ATEX, IECEx
- **Hazardous Location Ratings**

MARECHAL ELECTRIC MAROMME
II2 G/D Ex de IIC tD A21
-40°C ≤ Ta ≤ +60°C T5 T90°C
-40°C ≤ Ta ≤ +50°C T6 T80°C
IECEx LCI 09.0015/LCIE 04 ATEX 6038

XXX Suffix / Cable Range

| XXX (Suffix #) | Cable Range |
|----------------|--------------|
| -32M | .47" - .83" |
| -40M | .63" - 1.06" |

XX Suffix / NPT Size

| NPT Thread Size | XX (Suffix #) |
|-----------------|---------------|
| 1" | -1 |
| 1 1/4" | -114 |
| 1 1/2" | -112 |
| 2" | -2 |

NPT sizes are determined by the cable diameter and third party cord grip.

Accessories

Protective Cap



For Male
Devices Only

DX60 **26-6A126**

Metal Wall Box



| NPT | Part # |
|--------|--------------|
| 1" | 26-6A023-1 |
| 1 1/4" | 26-6A023-114 |
| 1 1/2" | 26-6A023-112 |
| 2" | 26-6A023-2 |

Plug
(Male inlet w/handle)



Inlet w/cap on box
(Male)



or

North American Configurations

| Voltage | Polarity | Part # Metal | Part # Metal |
|---------|----------|-----------------|-----------------|
| 120V | 1P+N+G | 26-61165-XXX | 26-66165-XX |
| 125V | 1P+N+G | 26-61075-XXX | 26-66075-XX |
| 208V | 2P+G | 26-61162-XXX | 26-66162-XX |
| 208V | 3P+G | 26-61163-XXX | 26-66163-XX |
| 208V | 3P+N+G | 26-61167-XXX | 26-66167-XX |
| 250V | 2P+G | 26-61072-XXX | 26-66072-XX |
| 250V | 3P+G | 26-61073-XXX | 26-66073-XX |
| 250V | 2P+N+G | 26-61076-XXX | 26-66076-XX |
| 277V | 1P+N+G | 26-61045-XXX | 26-66045-XX |
| 480V | 2P+G | 26-61042-XXX | 26-66042-XX |
| 480V | 3P+G | 26-61043-XXX | 26-66043-XX |
| 480V | 3P+N+G | 26-61047-XXX | 26-66047-XX |
| 600V | 3P+G | 26-61143-XXX | 26-66143-XX |

For international configurations (IEC/CE) visit meltric.com/international-catalog or contact customer service at 800.433.7642.

Connector
(female recept w/handle)



Receptacle on box
(female)



Receptacle
(female)



or

or

North American Configurations

| Voltage | Polarity | Part # Metal | Part # Metal | Part # Metal |
|---------|----------|-----------------|-----------------|-----------------|
| 120V | 1P+N+G | 26-63165-XXX | 26-60165-XX | 26-64165 |
| 125V | 1P+N+G | 26-63075-XXX | 26-60075-XX | 26-64075 |
| 208V | 2P+G | 26-63162-XXX | 26-60162-XX | 26-64162 |
| 208V | 3P+G | 26-63163-XXX | 26-60163-XX | 26-64163 |
| 208V | 3P+N+G | 26-63167-XXX | 26-60167-XX | 26-64167 |
| 250V | 2P+G | 26-63072-XXX | 26-60072-XX | 26-64072 |
| 250V | 3P+G | 26-63073-XXX | 26-60073-XX | 26-64073 |
| 250V | 2P+N+G | 26-63076-XXX | 26-60076-XX | 26-64076 |
| 277V | 1P+N+G | 26-63045-XXX | 26-60045-XX | 26-64045 |
| 480V | 2P+G | 26-63042-XXX | 26-60042-XX | 26-64042 |
| 480V | 3P+G | 26-63043-XXX | 26-60043-XX | 26-64043 |
| 480V | 3P+N+G | 26-63047-XXX | 26-60047-XX | 26-64047 |
| 600V | 3P+G | 26-63143-XXX | 26-60143-XX | 26-64143 |

For international configurations (IEC/CE) visit meltric.com/international-catalog or contact customer service at 800.433.7642.

DX9 Hazardous Location Plugs & Receptacles – 125A

Devices rated for hazardous locations are not returnable.

Plug
(Male inlet w/handle)



or

Inlet w/cap on box
(Male)



North American Configurations

| Voltage | Polarity | Part # Metal | Part # Metal |
|---------|----------|-----------------|-----------------|
| 120V | 1P+N+G | 26-91165-XXX | 26-96165-XX |
| 125V | 1P+N+G | 26-91075-XXX | 26-96075-XX |
| 208V | 2P+G | 26-91162-XXX | 26-96162-XX |
| 208V | 3P+G | 26-91163-XXX | 26-96163-XX |
| 208V | 3P+N+G | 26-91167-XXX | 26-96167-XX |
| 250V | 2P+G | 26-91072-XXX | 26-96072-XX |
| 250V | 3P+G | 26-91073-XXX | 26-96073-XX |
| 250V | 2P+N+G | 26-91076-XXX | 26-96076-XX |
| 277V | 1P+N+G | 26-91045-XXX | 26-96045-XX |
| 480V | 2P+G | 26-91042-XXX | 26-96042-XX |
| 480V | 3P+G | 26-91043-XXX | 26-96043-XX |
| 480V | 3P+N+G | 26-91047-XXX | 26-96047-XX |
| 600V | 3P+G | 26-91143-XXX | 26-96143-XX |

For international configurations (IEC/CE) visit meltric.com/international-catalog or contact customer service at 800.433.7642.

Connector
(female recept w/handle)



or

Receptacle on box
(female)



or

Receptacle
(female)



North American Configurations

| Voltage | Polarity | Part # Metal | Part # Metal | Part # Metal |
|---------|----------|-----------------|-----------------|-----------------|
| 120V | 1P+N+G | 26-93165-XXX | 26-90165-XX | 26-94165 |
| 125V | 1P+N+G | 26-93075-XXX | 26-90075-XX | 26-94075 |
| 208V | 2P+G | 26-93162-XXX | 26-90162-XX | 26-94162 |
| 208V | 3P+G | 26-93163-XXX | 26-90163-XX | 26-94163 |
| 208V | 3P+N+G | 26-93167-XXX | 26-90167-XX | 26-94167 |
| 250V | 2P+G | 26-93072-XXX | 26-90072-XX | 26-94072 |
| 250V | 3P+G | 26-93073-XXX | 26-90073-XX | 26-94073 |
| 250V | 2P+N+G | 26-93076-XXX | 26-90076-XX | 26-94076 |
| 277V | 1P+N+G | 26-93045-XXX | 26-90045-XX | 26-94045 |
| 480V | 2P+G | 26-93042-XXX | 26-90042-XX | 26-94042 |
| 480V | 3P+G | 26-93043-XXX | 26-90043-XX | 26-94043 |
| 480V | 3P+N+G | 26-93047-XXX | 26-90047-XX | 26-94047 |
| 600V | 3P+G | 26-93143-XXX | 26-90143-XX | 26-94143 |

For international configurations (IEC/CE) visit meltric.com/international-catalog or contact customer service at 800.433.7642.

Ratings

- **Max Amperage & Voltage**
125A, 750 VAC
- **Environmental Ratings**
IP65/IP66
- **Temperature Range**
Min -40°F/Max 140°F
- **Wiring Capacity**
Min 2 AWG Max 2/0 AWG
* Based on THHN wire sizes
- **Applicable Standards**
ATEX, IECEx
- **Hazardous Location Ratings**

MARECHAL ELECTRIC MAROMME
II2 G/D Ex de IIC tD A21
-40°C ≤ Ta ≤ +60°C T5 T90°C
-40°C ≤ Ta ≤ +50°C T6 T80°C
IECEX LCI 09.0015/LCIE 04 ATEX 6038

XXX Suffix/Cable Range

| XXX (Suffix #) | Cable Range |
|----------------|---------------|
| -32M | .47" - .83" |
| -40M | .63" - 1.06" |
| -50M | .91" - 1.38" |
| -63M | 1.42" - 1.89" |

| NPT Thread Size | XX (Suffix #) |
|-----------------|---------------|
| 1" | -1 |
| 1 1/4" | -114 |
| 1 1/2" | -112 |
| 2" | -2 |

NPT sizes are determined by the cable diameter and third party cord grip.

Accessories

Protective Cap



Metal Wall Box

| NPT | Part # |
|--------|--------------|
| 1" | 26-9A023-1 |
| 1 1/4" | 26-9A023-114 |
| 1 1/2" | 26-9A023-112 |
| 2" | 26-9A023-2 |