

DXA1

Hazardous Location Plug and Receptacle

Main Advantages

- ▶ CSA and ATEX hazardous listings
- ▶ Robust metal casings withstand harsh environments
- ▶ Spring-loaded, butt-style contacts provide superior performance
- ▶ Dual pawls with locking feature for secure connections



- ▶ **Features & Ratings** p. 188
- DXA1 20 p. 189

PRODUCT FEATURES



Locking Provision

For insertion of locking pin (or padlock) to prevent inadvertent disconnection (Standard).

Metal Casing

Provides excellent durability and protection.

Lid

Provides additional protection from harsh environments.

IP66/IP67 Watertightness

Environmental rating is achieved as soon as the plug is latched to the receptacle. There is no additional ring to tighten.

Silver-Nickel Contacts



Silver-nickel contact material provides superior conductivity, durability and corrosion resistance.



Spring-Loaded Butt-Style Contacts

Ensures optimal contact force and superior electrical performance over thousands of operations.

Hazardous Location Listings (CSA or ATEX)

| CSA  | ATEX  |
|---|--|
| Ex de IIC T*Gb | II 2 G D Ex de IIC T*Gb Ex tb IIIC T* Db |
| Ex tb IIIC T*Db | -55°C <Ta< 40°C T6 T68°C |
| Class I Zone I AEx de IIC T*Gb | -55°C <Ta< 60°C T5 T88 °C |
| Zone 21 AEx tD T*Db | LCIE 15 ATEX 3033 / IECEx LCIE 15.0030 |
| Class I Division 2 Gr A,B,C,D | |
| Class II Division 2 Gr E,F,G | |
| -55°C <Ta< 40°C T6 T68°C | |
| -55°C <Ta< 60°C T5 T88 °C | |

The DXA product line is similar to the DXN, but uses a larger casing made of aluminum and equipped with dual pawls for use in more abusive and colder environments.



HAZARDOUS LOCATION

Hazardous Location Plugs & Receptacles – 20 A

Devices rated for hazardous locations are not returnable.

UL **CSA** **Certifications**

- Max Amperage & Voltage**
20 A, 600 VAC, 60 Hz
- Current Interruption Capacity**
For current interrupting (AC)
- Horsepower Ratings**

| | | |
|------|----|--------|
| 120V | 1Ø | .75 hp |
| 240V | 1Ø | 2 hp |
| 208V | 3Ø | 3 hp |
| 240V | 3Ø | 3 hp |
| 480V | 3Ø | 7.5 hp |
| 600V | 3Ø | 7.5 hp |
- Short Circuit Rating**
25kA Close & Withstand Testing was performed with RK1 30 A fuse sized at 400% of the highest full load motor ampacity associated with the devices hp rating.
Note: Consult NEC for Short Circuit limits.
- Environmental Ratings**
IP66/IP67
- Temperature Range**
Min -67°F/Max 140°F
See pg 258 for temps below -15°F.
- Wiring Capacity**
Min 16 AWG Max 10 AWG
* Based on THHN wire sizes
- Applicable Standards**
CSA C22.2 No. 182.1
- Hazardous Location Ratings**

-55°C ≤ Ta ≤ +60°C
 Ex de IIC T5 Gb Ex tb IIIC T88°C Db
 Class I Zone1 AEx de IIC T5 Gb
 Zone 21 AEx tD T88°C Db
 Class I Div 2 Gr A,B,C,D
 Class II Div 2 Gr E,F,G
 cCSAus 00.114406X

Receptacle (female)



or

Inlet (male)



North American Configurations

| Voltage | Polarity | Part # Metal | Part # Metal |
|---------|----------|-----------------|-----------------|
| 120V | 1P+N+G | 2814165 | 2818165 |
| 125V | 1P+N+G | 2814075 | 2818075 |
| 208V | 2P+G | 2814162 | 2818162 |
| 208V | 3P+G | 2814163 | 2818163 |
| 208V | 3P+N+G | 2814167 | 2818167 |
| 250V | 2P+G | 2814072 | 2818072 |
| 250V | 3P+G | 2814073 | 2818073 |
| 250V | 2P+N+G | 2814076 | 2818076 |
| 277V | 1P+N+G | 2814045 | 2818045 |
| 480V | 2P+G | 2814042 | 2818042 |
| 480V | 3P+G | 2814043 | 2818043 |
| 480V | 3P+N+G | 2814047 | 2818047 |
| 600V | 2P+G | 2814142 | 2818142 |
| 600V | 3P+G | 2814143 | 2818143 |
| 600V | 3P+N+G | 2814147 | 2818147 |

Connector (female)



or

Plug (male)



North American Configurations

| Voltage | Polarity | Part # Metal | Part # Metal |
|---------|----------|-----------------|-----------------|
| 120V | 1P+N+G | 2813165 | 2811165 |
| 125V | 1P+N+G | 2813075 | 2811075 |
| 208V | 2P+G | 2813162 | 2811162 |
| 208V | 3P+G | 2813163 | 2811163 |
| 208V | 3P+N+G | 2813167 | 2811167 |
| 250V | 2P+G | 2813072 | 2811072 |
| 250V | 3P+G | 2813073 | 2811073 |
| 250V | 2P+N+G | 2813076 | 2811076 |
| 277V | 1P+N+G | 2813045 | 2811045 |
| 480V | 2P+G | 2813042 | 2811042 |
| 480V | 3P+G | 2813043 | 2811043 |
| 480V | 3P+N+G | 2813047 | 2811047 |
| 600V | 2P+G | 2813142 | 2811142 |
| 600V | 3P+G | 2813143 | 2811143 |
| 600V | 3P+N+G | 2813147 | 2811147 |

| (Suffix #) | Threaded NPT |
|------------|--------------|
| -34 | 3/4" |

Note: Connector and Plug come standard with 1/2" NPT

Cord grip not included. NPT sizes are determined by the cable diameter. Select hazardous cord grip from Cord Grip section, pg 168.

Receptacle/30° Angle (female)



Inlet/30° Angle (male)



or

North American Configurations

Accessories & Options



Inlet Cap

Part #

281A426



Receptacle
Lockout Pin

Part #

LP-843



Finger
Drawplates

Part #

281A346

| Voltage | Polarity | Part # Metal | Part # Metal |
|---------|----------|-----------------|-----------------|
| 120V | 1P+N+G | 2817165 | 2819165 |
| 125V | 1P+N+G | 2817075 | 2819075 |
| 208V | 2P+G | 2817162 | 2819162 |
| 208V | 3P+G | 2817163 | 2819163 |
| 208V | 3P+N+G | 2817167 | 2819167 |
| 250V | 2P+G | 2817072 | 2819072 |
| 250V | 3P+G | 2817073 | 2819073 |
| 250V | 2P+N+G | 2817076 | 2819076 |
| 277V | 1P+N+G | 2817045 | 2819045 |
| 480V | 2P+G | 2817042 | 2819042 |
| 480V | 3P+G | 2817043 | 2819043 |
| 480V | 3P+N+G | 2817047 | 2819047 |
| 600V | 2P+G | 2817142 | 2819142 |
| 600V | 3P+G | 2817143 | 2819143 |
| 600V | 3P+N+G | 2817147 | 2819147 |

Receptacle/Wall Box (female)



or

Inlet/Wall Box (male)

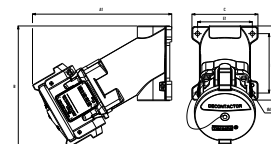


North American Configurations

| Voltage | Polarity | Part # Metal | Part # Metal |
|---------|----------|-----------------|-----------------|
| 120V | 1P+N+G | 2810165 | 2816165 |
| 125V | 1P+N+G | 2810075 | 2816075 |
| 208V | 2P+G | 2810162 | 2816162 |
| 208V | 3P+G | 2810163 | 2816163 |
| 208V | 3P+N+G | 2810167 | 2816167 |
| 250V | 2P+G | 2810072 | 2816072 |
| 250V | 3P+G | 2810073 | 2816073 |
| 250V | 2P+N+G | 2810076 | 2816076 |
| 277V | 1P+N+G | 2810045 | 2816045 |
| 480V | 2P+G | 2810042 | 2816042 |
| 480V | 3P+G | 2810043 | 2816043 |
| 480V | 3P+N+G | 2810047 | 2816047 |
| 600V | 2P+G | 2810142 | 2816142 |
| 600V | 3P+G | 2810143 | 2816143 |
| 600V | 3P+N+G | 2810147 | 2816147 |

| (Suffix #) | Threaded NPT | Location |
|------------|-----------------|----------|
| 12T | 1/2" | Top |
| 34T | 3/4" | Top |
| 34B | 3/4" | Bottom |

Note: Receptacle/Wall Box & Inlet/Wall Box come standard with 1/2" NPT on bottom



! Contact MELTRIC Engineering for DXA1 dimensions.