

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. 194
- ▶ **DXA1 20** p. 195

PRODUCT FEATURES



IP66/IP67 Watertightness

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

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.

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.

NOM ratings available upon request.



Hazardous Location Plugs & Receptacles – 20 A

Devices rated for hazardous locations are not returnable.

SP US Certifications

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

120 V	1Ø	.75 hp
240 V	1Ø	2 hp
208 V	3Ø	3 hp
240 V	3Ø	3 hp
480 V	3Ø	7.5 hp
600 V	3Ø	7.5 hp
- Short Circuit Rating**
 25 kA 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 266 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

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

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

Receptacle (female)



or

Inlet (male)



North American Configurations

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

For international configurations (ATEX/IECEx) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Connector (female)



or

Plug (male)



North American Configurations

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

Cord grip not included. NPT sizes are determined by the cable diameter. Select hazardous cord grip from Cord Grip section, pg 169.

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

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Receptacle/Wall Box (female) Inlet/Wall Box (male)



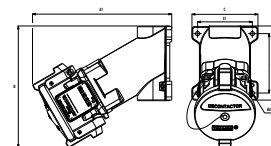
or

North American Configurations

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

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