DXN
Hazardous Location



Main Advantages

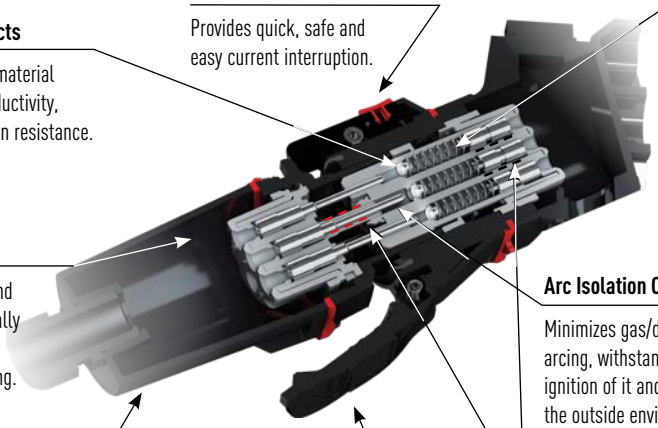
- Dead-front Safety Shutter protects user from emergency and accidental disconnection
- Current interrupting for safe disconnection under load
- Easy to handle due to compact, lightweight design
- Available with in-line and wall/panel mounted configurations
- CSA certified with available options for ATEX and IECEx for use in Zones 1 and 2 (gas) and Zones 21 and 22 (dust)

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SCAN ME >>

WATCH ME >>

PRODUCT FEATURES



Silver-Nickel Contacts

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

Pushbutton Pawl / OFF Button

Provides quick, safe and easy current interruption.

Spring-Loaded Butt-Style Contacts

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

Hazardous Location Termination Areas

Includes enhanced creepage and clearance distances and specially designed terminals to ensure perfect and permanent clamping.

Arc Isolation Chamber

Minimizes gas/dust volume present during arcing, withstands internal pressure due to ignition of it and isolates the ignition from the outside environment.

Casing

Self-extinguishing, non-static, material provides outstanding resistance to mechanical abuse and chemicals.

Lid

When closed, the lid maintains IP66/IP67 protection for the receptacle after removal of the plug.

Arc-Extinguishing Flame Path

Dissipates internal pressure created during arcing while also preventing any associated ignition sources from reaching the surrounding atmosphere.

General Ratings

Amperage	20 to 60 A
Voltage	600 VAC Max
Frequency	50-400 Hz
Horsepower	.75 to 20 hp
Environmental	IP66/IP67
Temperature	Min -15°F/Max 140°F

DXN30 and DXN60 devices are 550 VAC if ordered with optional auxiliary contacts

Highlighted Feature

Dead-front



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

Hazardous Location Listings (CSA or ATEX)

CSA	ATEX
Ex de IIC T*Gb	II 2 G/D
Ex tb IIIC T*Db	Ex de IIC T*Gb Ex tb IIIC T*Db
Class I Zone I AEx de IIC T*Gb	
Zone 21 AEx tD T*Db	
Class I Division 2 Gr A,B,C,D	
Class II Division 2 Gr E,F,G	

* See temperature tables in product sections. See following page for additional ratings detail.

Plug & Receptacle Listings (CSA or ATEX)

CATEGORY	CSA	IEC
Plugs and Receptacles	C22.2 No. 182.1	60309-1

NOM listing available. Contact MELTRIC Engineering for more information.

Operating Instructions



To connect, align the red dots, push the plug partially in, then turn clockwise slightly to line up the latch with the catch.



Push the plug fully home until it is held in place by the latch; the circuit is now energized.



To disconnect, depress the latch and pull the plug simultaneously. This opens the circuit. The plug contacts are now de-energized.



Rotate 30° counterclockwise and then withdraw the plug. The safety shutter prevents access to live parts.

DXN Certifications

Hazardous Duty Certification (example)

DXN's are offered with CSA or ATEX certifications for use in hazardous locations.

CSA

-40°C ≤Ta≤ +60°C

Class I Zone 1 AEx de IIC T5, Gb

Zone 21, AEx tD T90°C Db

Class I Division 2 Gr A,B,C,D

Class I – Indicates suitability for use in applications where flammable gases, vapors, or mists may be present.

Zone I – Indicates suitability for use in applications where an explosive environment is likely to occur in the air in sufficient quantities to produce explosive or ignitable mixtures under normal operating conditions.

Division 2 – Indicates suitability for use where exposure to the hazard occurs under abnormal conditions.

GR A,B,C,D – Indicates suitability for use in areas that may contain acetylene, hydrogen, ethylene, or propane.

Class II Division 2 Gr E,F,G

Class II – Indicates suitability for use in applications where explosive dust atmosphere may occur.

Division 2 – Indicates suitability for use where hazard exposure occurs under abnormal conditions.

GR E,F,G – Indicates suitability for use in areas where magnesium, coal or grain dust may occur.

CSA certification based on IEC 60079-0, 60079-1, 60079-7

ATEX and IECEx

II 2 G/D Ex de IIC T* Gb

Ex tb IIIC T* Db

-40°C ≤Ta≤ +60°C T5 T90°C

-40°C ≤Ta≤ +40°C T6 T70°C

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 occasionally during normal operation (Zone 1 and Zone 21 environments).

G/D – Indicates suitability for installation in areas that may contain flammable gases, vapors/mists, or dusts.

T90°C* – Indicates a maximum surface temperature of the product of 90°C, at -40°C to 60°C ambient.

Ex de – Indicates that explosion protection is provided with (e) increased safety in the conductor termination area, and (d) flame 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.

T6* – Temperature class – the maximum product surface temperature is 185°F (85°C) for ambient temperature of 104°F (40°).

ATEX 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]	Temperature Rise (max)	Dielectric Test
DXN20	-	5000 Operations	50 Operations	30°C	2 x V (rated) + 1000 V
DXN30	1000 Cycles	1000 Operations	50 Operations	30°C	2 x V (rated) + 1000 V
DXN60	1000 Cycles	1000 Operations	50 Operations	30°C	2 x V (rated) + 1000 V

[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

DXN Operation

Arcing is a natural occurrence when electrical contacts make and break under load. The purpose of a hazardous duty product is to prevent arcing from igniting hazardous gases or dusts present in the atmosphere into an explosion that may cause personal injury or damage to facilities and equipment. The DXN accomplishes this with specially designed flameproof arc chambers.

The arc isolation chambers are sized to minimize the amount of atmospheric gas or air/dust mixture that may ignite during arcing and are built to contain this internal mini-explosion and withstand the pressure that it generates. The length and width of the flameproof pathways are very precisely designed to provide for the effective dissipation of the pressure, while also ensuring that the arcing and internal ignitions of gases or air/dust mixture in the arc chamber are totally isolated from the surrounding atmosphere.

1 When the plug and receptacle are connected, the flameproof arc isolation chamber is completed with pressure relief/arc extinguishing pathways between the outer diameter of the plug contact and its associated contact hole in the safety shutter and between the main interior component and receptacle contact base.

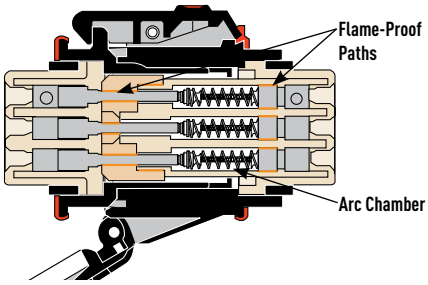
2 DXN's are current interrupting rated devices. They can safely make and break under full load and also during moderate overload situations. During the making or breaking of the contacts, the arc isolation chamber completely contains any ignitions of gas or dust due to arcing and the flameproof pathways dissipate the pressure.

3 As the plug is being inserted or removed, the flameproof arc chamber and pathways are maintained. This ensures continuous hazardous duty protection and the safety of the user.

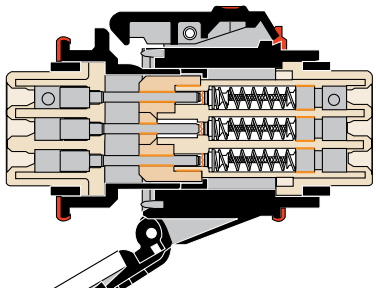
4 When the plug and receptacle are disconnected, the receptacle maintains a flameproof chamber. In this case, the flameproof pathway exists between the safety shutter and the main interior component. The shutter also prevents access to live parts, providing users with the safety of a dead-front. The plug must be inserted into the safety shutter and be rotated in order to access the receptacle contacts.

NOTE: While DXN devices are current interrupting (and can be safely disconnected under load in emergency or accidental situations), the devices are not Switch-Rated. DXN devices are not intended or advised for use as a primary disconnect in hazardous environments.

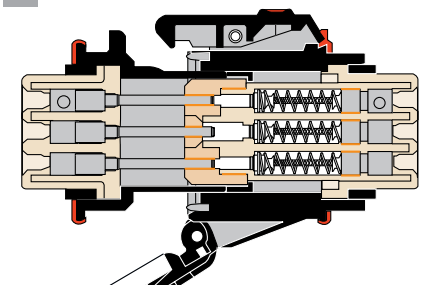
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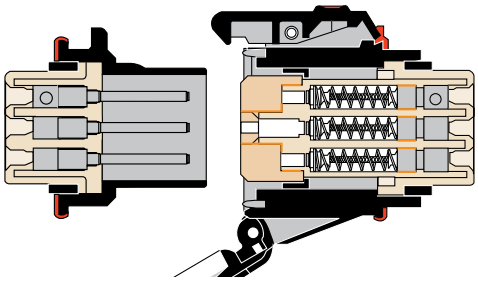
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3



4



DXN20 Hazardous Location - 20 A

cCSAus Certifications DXN20

- **Max Amperage & Voltage**
  20 A, 600 VAC, 60 Hz
- **Current Interruption Capability**
  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	10 hp
600 V	3Ø	10 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
- **Wiring Capacity**
  Based on THHN wire sizes.
  Min 16 AWG Max10 AWG
- **Applicable Standards**
  CSA C22.2 No. 182.1
- **Hazardous Location Ratings**
  -40°C ≤Ta ≤+60°C
  Ex de IIC T5 Gb Ex tb IIIC T90°C Db
  Class I Zone1 AEx de IIC T5 Gb
  Zone 21 AEx tD T90°C Db
  Class I Div 2 Gr A,B,C,D
  Class II Div 2 Gr E,F,G
  cCSAus 00.1144106X

Devices rated for hazardous locations are not returnable.

! Receptacles & Inlets must be mounted to a DXN handle, angle or wall box

Receptacle (female)



Standard DXN20 lid opens to 120° and can be adjusted to 180°

Inlet (male)



North American cCSAus Configurations

VOLTAGE	POLARITY	PART # POLY	PART # POLY
120 V	1P+N+G	22-14125-K16**	22-18125-K16**
125 V	1P+N+G	22-14075	22-18075
208 V	2P+G	22-14122-K16**	22-18122-K16**
208 V	3P+G	22-14123-K16**	22-18123-K16**
208 V	3P+N+G	22-14127-K16**	22-18127-K16**
250 V	2P+G	22-14072	22-18072
250 V	3P+G	22-14073	22-18073
250 V	2P+N+G	22-14076	22-18076
277 V	1P+N+G	22-14045	22-18045
480 V	2P+G	22-14042	22-18042
480 V	3P+G	22-14043	22-18043
480 V	3P+N+G	22-14047	22-18047
600 V	2P+G	22-14142	22-18142
600 V	3P+G	22-14143	22-18143
600 V	3P+N+G	22-14147	22-18147

RECEPTACLE OPTIONS	SUFFIX #	INLET OPTIONS	SUFFIX #
Padlock Pawl	**Recept # -843**	Without Lockout Hole	**Inlet # -A155**
Metal Pawl on Poly Receptacle	**Recept # -924**		
Self-Returning Lid (Manual Close)	**Recept # -R**		

**Product has changed and will not mate with prior 22-1416x and 22-1816x 120 V and 208 V configurations. Please contact customer service if product will be used with devices purchased prior to January 31, 2021.

ATEX/IECEx Certifications DXN1

- **Max Amperage & Voltage**
  20 A, 550 VAC, 50 Hz
- **Environmental** IP66/IP67
- **Ambient Temp** -40°C to +60°C
- **Hazardous Location Ratings**
  ATEX/IECEx Zones 1 & 2, 21 & 22

MARECHAL ELECTRIC MAROMME
Ex II2 G/D Ex de IIC T*Gb
Ex tb IIIC T*Db
-40 °C ≤ TA ≤ +60 °C T5 T90 °C
-40 °C ≤ TA ≤ +40 °C T6 T70 °C
IECEx LCI 09.0005X / LCIE 99 ATEX 6027X

See International Catalog (online) for additional product information.

Receptacle **Inlet**

IEC/CE Configurations (ATEX/IECEx)

VOLTAGE	POLARITY	PART # POLY	PART # POLY
20 - 24 V	2P	251408A	251808A
190 - 230 V	3P+E	2514033	2518033
220 - 250 V	1P+N+E	2514015	2518015
380 - 440 V	3P+E	2514013	2518013
380 - 440 V	3P+N+E	2514017	2518017
480 - 500 V	3P+E	2514093	2518093
480 - 500 V	3P+N+E	2514097	2518097

RECEPTACLE OPTIONS	SUFFIX #
Padlock Pawl w/shaft for 2 locks	**Recept # + 843**
Self-Returning Lid (Manual Close)	**Recept # + R**

Handle Option Guide pgs 243-244

INSTALLATION ACCESSORIES – SIZE 1

When properly installed, all accessories meet or exceed the environmental ratings of the devices they are mounted to; unless otherwise noted.

HANDLES

POLY HANDLE WITH NPT		PART #	
	1/2"	22-1A013-12	For use in Class I or II Division 2 or Class 1 Zone 1 or Zone 21 depending on fitting used. Fitting manufactured by others.
	3/4"	22-1A013-34	

POLY HANDLE WITH CORD GRIP WITH CABLE RANGE			
	.240-.470"	251P0BPA	For use in Class I or II Division 2, Class I Zone I or Zone 21
	.390-.550"	251P0BPB	
	.350-.630"	251P0CPD	
	.510-.710"	251P0CPC	-20°C ≤ Ta ≤ +85°C

ANGLES

POLY ANGLE		
	30°	22-1A057

MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES		
	61-1A346	Set of Two (2) Recommended for all assembly applications, for facilitated mating.

PROTECTIVE INLET/PLUG CAP		
	22-1A426	For Inlets/Plugs Only.

RECEPTACLE LOCKING PIN		
	LP-843	Requires Padlockable Pawl option (-843) on receptacle.

BOXES

POLY WALL BOX WITH NPT			PART #	
 NPT * 4.5 in³	30°	1/2"	22-1A023-12-T	NPT Thread on top
	30°	3/4"	22-1A023-34-T	* Interior volume with receptacle installed.

POLY WALL BOX WITH NPT			
 * 4.5 in³ NPT	30°	1/2"	22-1A023-12-B
	30°	3/4"	22-1A023-34-B

NPT Thread on bottom

* Interior volume with receptacle installed.

POLY ANGLE WITH METAL BOX WITH NPT			
 * 74.6 in³	70°	1/2"	221C7N05
	70°	3/4"	221C7N07
	70°	1"	221C7N10
	70°	1 1/4"	221C7N12
	70°	1 1/2"	221C7N15

NPT is drilled on top of metal box as standard. To switch from top to bottom the box can be rotated.

* Interior volume with receptacle installed.

For other configurations, contact Customer Service.

POLY WALL BOX 120X120 WITHOUT TERMINAL BLOCKS WITH CORD GRIP				
 * 82.0 in³	70°	1/2"	.200-.350"	221C7BPJ
	70°	1/2"	.240-.470"	221C7BPA
	70°	1/2"	.390-.550"	221C7BPB
	70°	3/4"	.350-.630"	221C7CPD
	70°	3/4"	.510-.710"	221C7CPC
	70°	1"	.510-.790"	221C7DPF
	70°	1"	.710-.980"	221C7DPE

For use in Class I or II Division 2, Class I Zone I or Zone 21

1 hole with a poly cable gland.

! Accessories rated for hazardous locations are not returnable.

IEC/CE Accessories (ATEX/IECEx)

! IEC/CE accessories can only be used with IEC/CE devices.

HANDLES

POLY HANDLE WITH POLY CABLE GLAND		PART #	
	5-10 mm	251A25316P	For use in Zones 1 & 2 Zones 21 & 22
	12-18 mm	251A25325P	
	16-25 mm	251A25332P	

POLY HANDLE WITH METAL CABLE GLAND			
	8-10 mm	251A25320M	With Earth continuity
	12-14 mm	251A25325M	
	18-24 mm	251A25332M	

ANGLES

POLY ANGLE			
	30°	251A057	
	70°	251A757	For panel mounting. Not a replacement part for 70° wall box.

BOXES

POLY WALL BOX			PART #
	30°	5-10 mm	251AB5316P
	30°	10-14 mm	251AB53
	30°	12-18 mm	251AB5325P

POLY WALL BOX 120X120 WITHOUT TERMINAL BLOCKS			
	70°	10-14 mm	251AB8820P
	70°	12-18 mm	251AB8825P
	70°	16-25 mm	251AB8832P

1 hole with a poly cable gland.

POLY WALL BOX 120X120 WITH 4MM2 TERMINAL BLOCKS			
	70°	10-14 mm	251A08820P
	70°	12-18 mm	251A08825P

With 2 holes (1 with a cable gland + 1 with a stopping plug), with 8+2E 4 mm² terminals blocks + 2.5 mm² wires, wiring 1-4 mm². For loop in loop out wiring.

-40°C ≤ Ta ≤ +60°C T5 T90°C
-40°C ≤ Ta ≤ +40°C T6 T70°C

HAZARDOUS LOCATION

DXN30 Hazardous Location - 30 A

cCSAus Certifications DXN30

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

120 V	1Ø	1 hp
240 V	1Ø	3 hp
208 V	3Ø	5 hp
240 V	3Ø	5 hp
480 V	3Ø	10 hp
600 V	3Ø	15 hp

- **Short Circuit Rating**
  25 kA Close & Withstand
  Testing was performed with RK1 70 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
- **Wiring Capacity**
  * Based on THHN wire sizes.
  Min 14 AWG Max 6 AWG
  Aux Contacts: Max 10 AWG
- **Applicable Standards**
  CSA C22.2 No. 182.1
- **Hazardous Location Ratings**
  -40°C ≤Ta ≤+60°C
  Ex de IIC T5 Gb Ex tb IIIC T77°C Db
  Class I Zone1 AEx de IIC T5 Gb
  Zone 21 AEx tD T77°C Db
  Class I Div 2 Gr A,B,C,D
  Class II Div 2 Gr E,F,G
  cCSAus 00.1144106X

Devices rated for hazardous locations are not returnable.

! Receptacles & Inlets must be mounted to a DXN handle, angle or wall box

Receptacle (female)



Standard DXN30 lid opens to 120° and can be adjusted to 180°

Inlet (male)



North American cCSAus Configurations

VOLTAGE	POLARITY	PART # POLY	PART # POLY
120 V	1P+N+G	22-34165	22-38165
125 V	1P+N+G	22-34075	22-38075
208 V	2P+G	22-34162	22-38162
208 V	3P+G	22-34163	22-38163
208 V	3P+N+G	22-34167	22-38167
250 V	2P+G	22-34072	22-38072
250 V	3P+G	22-34073	22-38073
250 V	2P+N+G	22-34076	22-38076
277 V	1P+N+G	22-34045	22-38045
480 V	2P+G	22-34042	22-38042
480 V	3P+G	22-34043	22-38043
480 V	3P+N+G	22-34047	22-38047
600 V	2P+G	22-34142	22-38142
600 V	3P+G	22-34143	22-38143
600 V	3P+N+G	22-34147	22-38147

RECEPTACLE OPTIONS	SUFFIX #	INLET OPTIONS	SUFFIX #
With 2 Auxiliary/Pilot Contacts*	Recept # -972	With 2 Auxiliary/Pilot Contacts*	Inlet # -972
Padlock Pawl	Recept # -843	Without Lockout Hole	Inlet # -A155
Metal Pawl on Poly Receptacle	Recept # -924	* Not available with 600 V devices, use -972-S74 for 550 VAC.	
Self-Returning Lid (Manual Close)	Recept # -R		

ATEX/IECEx Certifications DXN3

- **Max Amperage & Voltage**
  32 A, 750 VAC, 50 Hz
- **Environmental** IP66/IP67
- **Ambient Temp** -40°C to +60°C
- **Hazardous Location Ratings**
  ATEX/IECEx Zones 1 & 2, 21 & 22

MARECHAL ELECTRIC MAROMME
Ex II2 G/D Ex de IIC T*Gb
Ex tb IIIC T*Db
-40 °C ≤ TA ≤ +60 °C T5 T77 °C
-40 °C ≤ TA ≤ +40 °C T6 T57 °C
IECEx LCI 09.0006X / LCIE 05 ATEX 6149

See International Catalog (online) for additional product information.

Receptacle **Inlet**

IEC/CE Configurations (ATEX/IECEx)

VOLTAGE	POLARITY	PART # POLY	PART # POLY
20 - 24 V	2P	253408A	253808A
190 - 230 V	3P+E	2534033	2538033
220 - 250 V	1P+N+E	2534015	2538015
380 - 440 V	3P+E	2534013	2538013
380 - 440 V	3P+N+E	2534017	2538017
480 - 500 V	3P+E	2534093	2538093
480 - 500 V	3P+N+E	2534097	2538097

RECEPTACLE OPTIONS	SUFFIX #	INLET OPTIONS	SUFFIX #
With 2 Auxiliary/Pilot Contacts*	Recept # + 972	With 2 Auxiliary/Pilot Contacts*	Inlet # + 972
Padlock Pawl w/shaft for 2 locks	Recept # + 843	* Not available with 600 V devices, use -972-S74 for 550 VAC	
Self-Returning Lid (Manual Close)	Recept # + R		

Handle Option Guide pgs 243-244

INSTALLATION ACCESSORIES – SIZE 2

When properly installed, all accessories meet or exceed the environmental ratings of the devices they are mounted to; unless otherwise noted.

HANDLES

POLY HANDLE WITH NPT	PART #	
	3/4"	22-3A013-34
	1"	22-3A013-1
	1 1/4"	22-3A013-114

For use in Class I or II Division 2 or Class 1 Zone 1 or Zone 21 depending on fitting used. Fitting manufactured by others.

POLY HANDLE WITH CORD GRIP WITH CABLE RANGE		
	.350-.630"	252P0CPD
	.510-.710"	252P0CPC
	.510-.790"	252P0DPF
	.710-.980"	252P0DPE

For use in Class I or II Division 2, Class I Zone I or Zone 21.

-20°C ≤ Ta ≤ +85°C

ANGLES

POLY ANGLE		
	30°	22-3A027

MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES		
	61-3A346	Set of Two (2) Recommended for all assembly applications, for facilitated mating.

PROTECTIVE INLET/PLUG CAP		
	22-3A426	For Inlets/Plugs Only.

RECEPTACLE LOCKING PIN		
	LP-843	Requires Padlockable Pawl option (-843) on receptacle.

BOXES

POLY WALL BOX WITH NPT			
 NPT * 5.4 in³	30°	3/4"	22-3A023-34-T

NPT Thread on top.
* Interior volume with receptacle installed.

POLY WALL BOX WITH NPT			
 NPT * 5.4 in³	30°	3/4"	22-3A023-34-B

NPT Thread on bottom
* Interior volume with receptacle installed.

POLY ANGLE WITH METAL BOX WITH NPT			
 * 74.6 in³	70°	1/2"	222C7N05
	70°	3/4"	222C7N07
	70°	1"	222C7N10
	70°	1 1/4"	222C7N12
	70°	1 1/2"	222C7N15

NPT is drilled on top of metal box as standard. To switch from top to bottom the box can be rotated.

* Interior volume with receptacle installed.

For other configurations, contact Customer Service.

POLY WALL BOX 120X120 WITHOUT TERMINAL BLOCKS WITH CORD GRIP			
 * 82.0 in³	70°	1/2"	.200-.350" 222C7BPJ
	70°	1/2"	.240-.470" 222C7BPA
	70°	1/2"	.390-.550" 222C7BPB
	70°	3/4"	.350-.630" 222C7CPD
	70°	3/4"	.510-.710" 222C7CPC
	70°	1"	.510-.790" 222C7DPF
	70°	1"	.710-.980" 222C7DPE

For use in Class I or II Division 2, Class I Zone I or Zone 21

1 hole with a poly cable gland.

! Accessories rated for hazardous locations are not returnable.

HAZARDOUS LOCATION

IEC/CE Accessories (ATEX/IECEx)

! IEC/CE accessories can only be used with IEC/CE devices.

HANDLES

POLY HANDLE WITH POLY CABLE GLAND	PART #	
	10-14 mm	253A753
	12-18 mm	253A783
	16-25 mm	253A25332P
	22-32 mm	253A25340P

For use in Zones 1 & 2 Zones 21 & 22

POLY HANDLE WITH METAL CABLE GLAND		
	8-10 mm	253A25320M
	12-14 mm	253A25325M
	18-24 mm	253A25332M

With Earth continuity

ANGLES

POLY ANGLE		
	30°	253A027
	70°	253A757

For panel mounting. Not a replacement part for 70° wall box.

BOXES

POLY WALL BOX			
	30°	10-14 mm	253AB53
	30°	12-18 mm	253AB5325P

POLY WALL BOX 120X120 WITHOUT TERMINAL BLOCKS			
	70°	10-14 mm	253AB8820P
	70°	12-18 mm	253AB8825P
	70°	16-25 mm	253AB8832P

1 hole with a poly cable gland.

POLY WALL BOX 120X120 WITH 10MM2 TERMINAL BLOCKS			
	70°	10-14 mm	253A08820P
	70°	12-18 mm	253A08825P

With 2 holes (1 with a cable gland + 1 with a stopping plug), with 8+2E 10 mm² terminals blocks + 6 mm² wires, wiring 2.5 - 10 mm². For loop in loop out wiring.

-40°C ≤ Ta ≤ +60°C T5 T77°C
-40°C ≤ Ta ≤ +40°C T6 T57°C

DXN60 Hazardous Location - 60 A

cCSAus Certifications DXN60

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

120 V	1Ø	2 hp
240 V	1Ø	3 hp
208 V	3Ø	7.5 hp
240 V	3Ø	7.5 hp
480 V	3Ø	20 hp
600 V	3Ø	20 hp

- **Short Circuit Rating**
  25 kA Close & Withstand
  Testing was performed with RK1 100 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
- **Wiring Capacity**
  * Based on THHN wire sizes.
  Min 10 AWG Max 4 AWG
  Aux Contacts: Max 10 AWG
- **Applicable Standards**
  CSA C22.2 No. 182.1
- **Hazardous Location Ratings**
  -40°C ≤Ta ≤+60°C
  Ex de IIC T4 Gb Ex tb IIIC T100°C Db
  Class I Zone1 AEx de IIC T4 Gb
  Zone 21 AEx tD T100°C Db
  Class I Div 2 Gr A,B,C,D
  Class II Div 2 Gr E,F,G
  cCSAus 00.1144106X

Devices rated for hazardous locations are not returnable.

! Receptacles & Inlets must be mounted to a DXN handle, angle or wall box

Receptacle (female)



Standard DXN60 lid opens to 120° and can be adjusted to 180°

Inlet (male)



North American cCSAus Configurations

VOLTAGE	POLARITY	PART # POLY	PART # POLY
120 V	1P+N+G	22-64165	22-68165
125 V	1P+N+G	22-64075	22-68075
208 V	2P+G	22-64162	22-68162
208 V	3P+G	22-64163	22-68163
208 V	3P+N+G	22-64167	22-68167
250 V	2P+G	22-64072	22-68072
250 V	3P+G	22-64073	22-68073
250 V	2P+N+G	22-64076	22-68076
277 V	1P+N+G	22-64045	22-68045
480 V	2P+G	22-64042	22-68042
480 V	3P+G	22-64043	22-68043
480 V	3P+N+G	22-64047	22-68047
600 V	2P+G	22-64142	22-68142
600 V	3P+G	22-64143	22-68143
600 V	3P+N+G	22-64147	22-68147

RECEPTACLE OPTIONS	SUFFIX #	INLET OPTIONS	SUFFIX #
With 2 Auxiliary/Pilot Contacts*	Recept # -972	With 2 Auxiliary/Pilot Contacts*	Inlet # -972
Padlock Pawl	Recept # -843	Without Lockout Hole	Inlet # -A155
Metal Pawl on Poly Receptacle	Recept # -924	* Not available with 600V devices, use -972-S74 for 550 VAC	
Self-Returning Lid (Manual Close)	Recept # -R		

ATEX/IECEx Certifications DXN6

- **Max Amperage & Voltage**
  63 A, 750 VAC, 50 Hz
- **Environmental** IP66/IP67
- **Ambient Temp** -40°C to +60°C
- **Hazardous Location Ratings**
  ATEX/IECEx Zones 1 & 2, 21 & 22

MARECHAL ELECTRIC MAROMME
Ex II2 G/D Ex de IIC T*Gb
Ex tb IIIC T*Db
-40 °C ≤ TA ≤ +60 °C T4 T107 °C
-40 °C ≤ TA ≤ +40 °C T5 T87 °C
IECEx LCI 09.0007 / LCIE 05 ATEX 6150

See International Catalog (online) for additional product information.

Receptacle **Inlet**

IEC/CE Configurations (ATEX/IECEx)

VOLTAGE	POLARITY	PART # POLY	PART # POLY
20 - 24 V	2P	256408A	256808A
190 - 230 V	3P+E	2564033	2568033
220 - 250 V	1P+N+E	2564015	2568015
380 - 440 V	3P+E	2564013	2568013
380 - 440 V	3P+N+E	2564017	2568017
480 - 500 V	3P+E	2564093	2568093
480 - 500 V	3P+N+E	2564097	2568097

Receptacle Options	Suffix #	Inlet Options	Suffix #
With 2 Auxiliary/Pilot Contacts*	Recept # + 972	With 2 Auxiliary/Pilot Contacts*	Inlet # + 972
Padlock Pawl w/shaft for 2 locks	Recept # + 843	* Not available with 600V devices, use -972-S74 for 550 VAC	
Self-Returning Lid (Manual Close)	Recept # + R		

Handle Option Guide pgs 243-244

INSTALLATION ACCESSORIES – SIZE 3

When properly installed, all accessories meet or exceed the environmental ratings of the devices they are mounted to; unless otherwise noted.

HANDLES

POLY HANDLE WITH NPT		PART #	
	1"	22-6A013-1	For use in Class I or II Division 2 or Class 1 Zone 1 or Zone 21 depending on fitting used. Fitting manufactured by others.

POLY HANDLE WITH CORD GRIP WITH CABLE RANGE			
	.510-.790"	253P0DPF	For use in Class I or II Division 2, Class I Zone I or Zone 21.
	.710-.980"	253P0DPE	
			-20°C ≤ Ta ≤ +85°C

ANGLES

POLY ANGLE			
	30°	22-6A027	

MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES		
	61-6A346	Set of Two (2) Recommended for all assembly applications, for facilitated mating.

PROTECTIVE INLET/PLUG CAP		
	22-6A426	For Inlets/Plugs Only.

RECEPTACLE LOCKING PIN		
	LP-843	Requires Padlockable Pawl option (-843) on receptacle.

BOXES

POLY WALL BOX WITH NPT				
 NPT * 11.1 in³	30°	1"	22-6A023-1-T	NPT Thread on top. * Interior volume with receptacle installed.

POLY WALL BOX WITH NPT				
 NPT *11.1 in³	30°	1"	22-6A023-1-B	NPT Thread on bottom. * Interior volume with receptacle installed.

POLY ANGLE WITH METAL BOX WITH NPT			
 * 177.7 in³	70°	1/2"	223C7N05
	70°	3/4"	223C7N07
	70°	1"	223C7N10
	70°	1 1/4"	223C7N12
	70°	1 1/2"	223C7N15

NPT is drilled on top of metal box as standard. To switch from top to bottom the box can be rotated.

* Interior volume with receptacle installed.

For other configurations, contact Customer Service.

POLY WALL BOX 160X160 WITHOUT TERMINAL BLOCKS WITH CORD GRIP				
 * 179.4 in³	70°	3/4"	.350-.630"	223C7CPD
	70°	3/4"	.510-.710"	223C7CPC
	70°	1"	.510-.790"	223C7DPF
	70°	1"	.710-.980"	223C7DPE
	70°	1 1/2"	.790-1.020"	223C7M40PG
	70°	1 1/2"	.870-1.260"	223C7M40PH

For use in Class I or II Division 2, Class I Zone I or Zone 21

1 hole with a poly cable gland.

! Accessories rated for hazardous locations are not returnable.

HAZARDOUS LOCATION

IEC/CE Accessories (ATEX/IECEx)

! IEC/CE accessories can only be used with IEC/CE devices.

HANDLES

POLY HANDLE WITH POLY CABLE GLAND		PART #	
	10-14 mm	256A25320P	For use in Zones 1 & 2 Zones 21 & 22.
	12-18 mm	256A753	
	16-25 mm	256A25332P	
	22-32 mm	256A25340P	

POLY HANDLE WITH METAL CABLE GLAND		
	8-10 mm	256A25320M
	12-14 mm	256A25325M
	18-24 mm	256A25332M

With Earth continuity.

ANGLES

POLY ANGLE			
	30°	256A027	
	70°	256A757	For panel mounting. Not a replacement part for 70° wall box.

BOXES

POLY WALL BOX			
	30°	12-18 mm	256AB53

POLY WALL BOX 160X160 WITHOUT TERMINAL BLOCKS			
	70°	10-14 mm	256AB8820P
	70°	12-18 mm	256AB8825P
	70°	16-25 mm	256AB8832P
	70°	22-32 mm	256AB8840P

1 hole with a poly cable gland.

POLY WALL BOX 160X160 WITH 16MM2 TERMINAL BLOCKS			
	70°	10-14 mm	256A08820P
	70°	12-18 mm	256A08825P
	70°	16-25 mm	256A08832P
	70°	22-32 mm	256A08840P

With 2 holes (1 with a cable gland + 1 with a stopping plug), with 8 + 2E 16 mm² terminal blocks + 16 mm² wires, wiring 6 - 16 mm² for loop in loop out wiring

-40°C ≤ Ta ≤ +55°C T4 T105°C

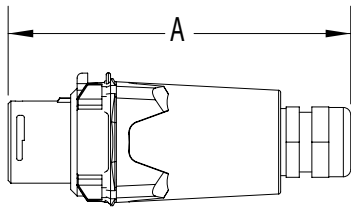
-40°C ≤ Ta ≤ +50°C T5 T95°C

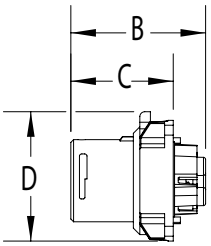
DXN DIMENSIONS – Provided in Inches

SCAN ME >>

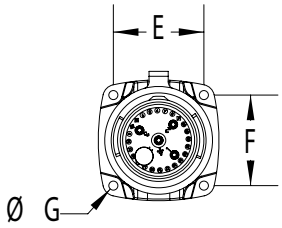
Dimensions are for reference only and may change depending on accessories used. For precise dimensions contact MELTRIC Engineering.

Plug



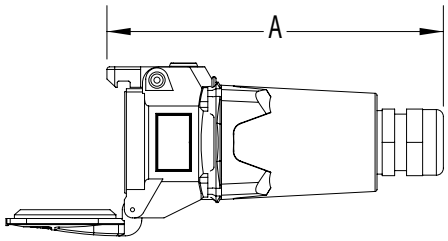


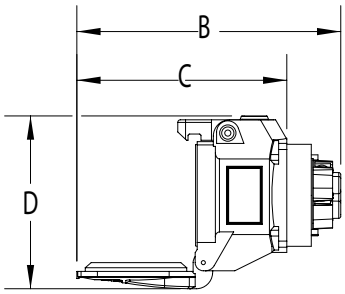
Inlet



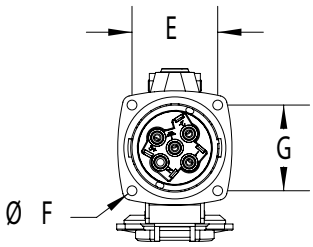
PRODUCT	A	B	C	D	E	F	øG
DXN20	6.36	2.57	1.86	2.40	1.65	1.65	0.18
DXN30	6.47	3.03	1.97	2.83	1.89	1.89	0.19
DXN60	9.67	3.94	2.19	3.02	2.19	2.19	0.20

Connector



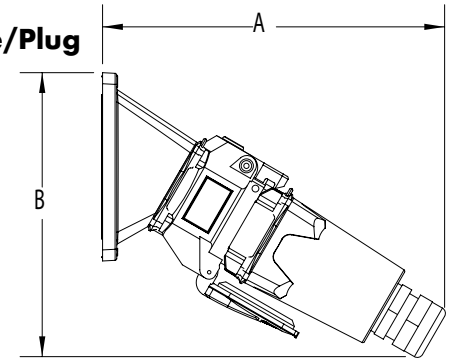


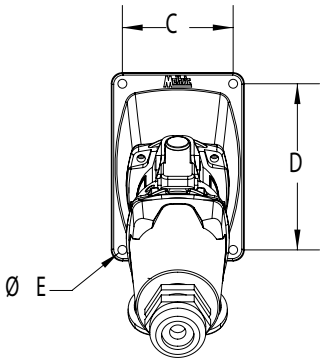
Receptacle



PRODUCT	A	B	C	D	E	øF	G
DXN20	6.22	4.77	4.09	5.28	1.65	0.18	1.65
DXN30	7.17	5.49	4.29	7.05	1.89	0.20	1.89
DXN60	8.31	7.18	5.91	7.68	2.19	0.20	2.19

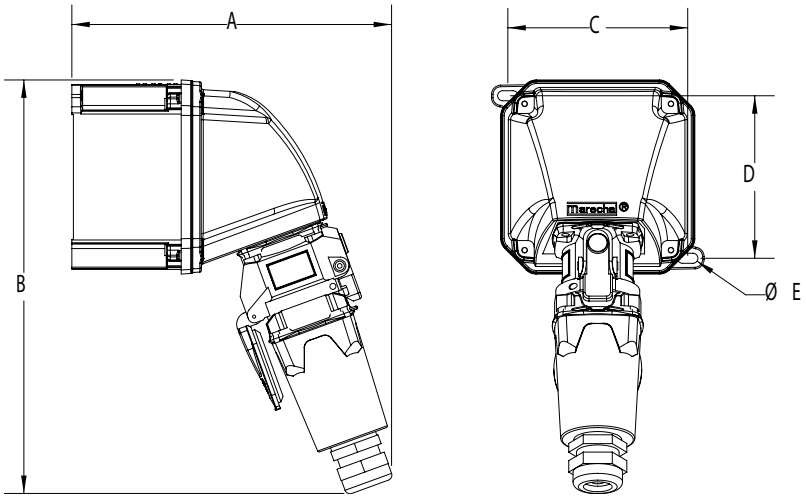
30° Angle/Receptacle/Plug





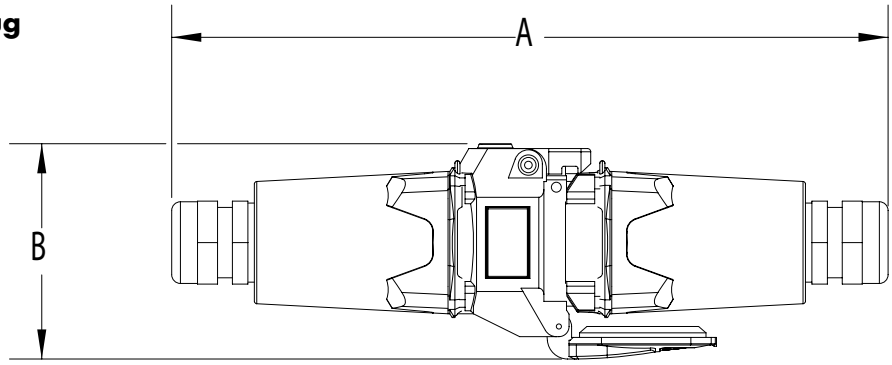
PRODUCT	A	B	C	D	øE
DXN20	7.52	5.91	2.50	3.75	0.20
DXN30	8.07	6.57	2.50	3.75	0.20
DXN60	9.41	7.48	2.50	3.75	0.20

70° Wall Box/Receptacle/Plug



PRODUCT	A	B	C	D	øE
DXN20	8.17	10.57	4.60	4.15	0.26
DXN30	9.25	12.62	4.60	4.15	0.26
DXN60	11.88	13.39	6.17	5.73	0.26

Connector/Plug



PRODUCT	A	B
DXN20	11.10	3.33
DXN30	12.59	4.08
DXN60	13.95	4.65