

# Hazardous Location Plugs & Receptacles

## The Meltric Advantage

Meltric offers a range of hazardous duty rated devices for use in power supply and control applications. Each device features Meltric's silver-nickel butt-style contact technology that maximizes durability and performance. Depending on application needs, each device can be configured for use in in-line and wall mounted applications.

Common industry applications:

- ▶ Chemical plants
- ▶ Pharmaceutical plants
- ▶ Oil and Gas facilities
- ▶ Grain silos
- ▶ Wood processing plants
- ▶ Plastics plants
- ▶ Wastewater plants



"Flush Mounted" DX Series plug and receptacle



"Inline" DXN Series plug and connector

## Explanation of Area Classifications and Relevant Listings

Meltric plugs and receptacles are ATEX rated for use in zone 1/21 and zone 2/22 classified areas. Additionally, the DXN Series plugs and receptacles are CSA Class I, Division 2 and Class II, Division 2 rated and CSA Class I Zone 1 and Class II Zone 21 rated (US and Canada). The reference table below shows the North American rating system and the corresponding IEC system.

### Gas

Explosive atmosphere	Continuously present	May occur in normal conditions	May appear accidentally or in abnormal conditions
North American	Class I, Division 1		Class I, Division 2
IEC / Europe	Zone 0	Zone 1	Zone 2

### Dust

Explosive atmosphere	Continuously present	May occur in normal conditions	May appear accidentally or in abnormal conditions
North American	Class II, Division 1		Class II, Division 2
IEC / Europe	Zone 20	Zone 21	Zone 22

*DXN Series devices carry ratings highlighted in yellow AND gray.*

*DX, DXN25C, DXN37C, PXN12C, SPeX devices carry ratings highlighted in yellow ONLY.*

# Selecting the Right Hazardous Location Rated Plug & Receptacle

## Product Line Summary

DXN plugs and receptacles are ideal for power connections where compact, lightweight devices are preferred. DXN's are ATEX and CSA rated and can be configured for inline or wall mounted applications.

DX plugs and receptacles are excellent for use where rugged metal construction is required and when there is a need for amperages up to 100A. DX's are ATEX rated.

DXN25C and DXN37C multipin plugs and receptacles are excellent for low amperage control applications. Twenty-five and thirty-seven contacts are available on the devices which are ATEX rated up to 10A and 440V (DXN25C) or 10A and 220V (DXN37C).

PXN12C multipin plugs and receptacles are ideal for applications requiring compact size. Twelve contacts are available with ATEX ratings up to 10A and 220V.

SPeX single pole plugs and connectors are suitable for high amperage applications up to 680A and 1000V where safety and ease of operation are preferred. SPeX's are ATEX rated.



## Hazardous Duty Product Specifications

Product Type	Housing Material	Voltage (Max)	Number of Contacts	Amperage		Wiring Capacity		Environmental Rating	Wiring Connection	Catalog Page
				Current Interrupting	Non-Current Interrupting	Min	Max			
DXN20	Polyester	480	3P+N+G	20	-	16 AWG	10 AWG	IP66+IP67	Screw	73
DXN30	Polyester	600	3P+N+G	30	-	14 AWG	6 AWG	IP66+IP67	Screw	75
DXN60	Polyester	600	3P+N+G	60	-	10 AWG	4 AWG	IP66+IP67	Screw	77
DX20	Aluminum	600	3P+N+G	20	-	14 AWG	6 AWG	IP65	Screw	85
DX30	Aluminum	600	3P+N+G	30	-	14 AWG	6 AWG	IP65	Screw	86
DX60	Aluminum	600	3P+N+G	60	-	8 AWG	2 AWG	IP65	Screw	87
DX100	Aluminum	600	3P+N+G	100	-	4 AWG	2 AWG	IP65	Screw	88
DXN25C	Metal	440	24P+G	-	10	16 AWG	14 AWG	IP66+IP67	Solder	92
DXN37C	Metal	220	36P+G	-	10	16 AWG	14 AWG	IP66+IP67	Solder	92
PXN12C	Metal	220	11P+G	-	10	16 AWG	14 AWG	IP65+IP66	Solder	94
SPeX	Polyester	1000	1	-	680	2/0 AWG	750 MCM	IP66	LUG	96