

Hazardous Duty 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. The reference table below shows the North American rating system and the corresponding IEC system.

Area Classification/Equipment Rating Requirement				
		North American		IEC
Explosive Atmosphere is continuously present	GAS	Class I, Division 1	Zone 0	ATEX II 1G
	DUST	Class II, Division 1	Zone 20	ATEX II 1D
Explosive atmosphere may occur in normal operation	GAS	Class I, Division 1	Zone 1	ATEX II 2G
	DUST	Class II, Division 1	Zone 21	ATEX II 2D
Explosive atmosphere may appear accidentally or in abnormal conditions	GAS	Class I, Division 2	Zone 2	ATEX II 3G
	DUST	Class II, Division 2	Zone 22	ATEX II 3D

Selecting the Right Hazardous Duty 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.

DXN37C multipin plugs and receptacles are excellent for low amperage control applications. Thirty-seven contacts are available on the device which is ATEX rated up to 5A and 220V.

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	-	20 AWG	10 AWG	NEMA 4X/IP66+IP67	Screw	71
DXN30	Polyester	600	3P+N+G	30	-	14 AWG	6 AWG	NEMA 4X/IP66+IP67	Screw	73
DXN60	Polyester	600	3P+N+G	60	-	10 AWG	4 AWG	NEMA 4X/IP66+IP67	Screw	75
DX20	Aluminum	600	3P+N+G	20	-	14 AWG	6 AWG	IP65	Screw	83
DX30	Aluminum	600	3P+N+G	30	-	14 AWG	6 AWG	IP65	Screw	84
DX60	Aluminum	600	3P+N+G	60	-	8 AWG	2 AWG	IP65	Screw	85
DX100	Aluminum	600	3P+N+G	100	-	4 AWG	2 AWG	IP65	Screw	86
DXN37C	Stainless	220	36P+G	-	5	20 AWG	14 AWG	IP65	Solder	87
PXN12C	Stainless	220	11P+G	-	10	16 AWG	14 AWG	IP65	Solder	89
SPeX	Polyester	1000	1	-	680	2/0 AWG	750 MCM	IP65/IP66	LUG	91