

HAZARDOUS LOCATION

Plugs & Receptacles



MELTRIC offers a wide range of hazardous location devices for use in power supply and control applications. Each device features MELTRIC's butt-style contact technology that maximizes durability and performance.



DXN P. 186

POLY POWER CONNECTORS

- ATEX or cCSAus rated
- Horsepower rated
- Compact design
- 20A, 30A and 60A sizes



DSN150 P. 206

POWER CONNECTORS

- cCSAus rated, Zone 2
- Horsepower rated
- Robust metal construction
- 150A sizes



DXA1 P. 198

POWER CONNECTORS

- ATEX or cCSAus rated
- Robust metal construction
- Compact design
- 20A sizes



DX P. 208

POWER CONNECTORS

- Rated for Zone 1 and Zone 21
- Rugged metal construction
- 20A, 32A, 63A, and 125A sizes
- Up to 600V, IP65



DS60 P. 204

POWER CONNECTORS

- cCSAus rated, Zone 2
- Horsepower rated
- Robust metal construction
- 60A sizes

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 butt-style contact technology that maximizes durability and performance. Depending on application needs, most devices 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

DXN Series plugs and receptacles are CSA Class I, Division 2 and Class II, Division 2 rated and CSA Class I Zone 1 or Zone 21 rated (US and Canada). Alternatively, MELTRIC plugs and receptacles are ATEX rated for use in zone 1/21 and zone 2/22 classified areas (International). 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 I		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 I		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 CSA or ATEX rated and can be configured for inline or wall mounted applications.

DXA1 plugs and receptacles are excellent for use where rugged metal construction is required on inline or wall mounted applications.

DS60/DSN150 plugs and receptacles are excellent for Division 2 / Zone 2 environments where rugged metal construction is required and when there is a need for amperages of 60A to 150A or hp rating to 75 hp.

DX plugs and receptacles are excellent for use where rugged metal construction is required and when there is a need for amperages up to 125A. DX's are ATEX rated.

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

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).

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 Current Interrupting	Amperage Non-Current Interrupting	Wiring Capacity Min / Max		Environmental Rating	Wiring Connection	Catalog Page
DXN20	Polyester	600	3P+N+G	20	-	16 AWG	10 AWG	IP66/IP67	Screw	190
DXN30	Polyester	600	3P+N+G	30	-	14 AWG	6 AWG	IP66/IP67	Screw	192
DXN60	Polyester	600	3P+N+G	60	-	10 AWG	4 AWG	IP66/IP67	Screw	194
DXA1	Metal	600	3P+N+G	20	-	16 AWG	10 AWG	IP66/IP67	Screw	200
DS60	Metal	600	3P+N+G	-	60	10 AWG	2 AWG	Type 4X	Screw	204
DSN150	Metal	600	3P+N+G	-	150	10 AWG	2/0 AWG	Type 4X	Screw	206
DX1	Aluminum	750	3P+N+G	20	-	14 AWG	8 AWG	IP65	Screw	212
DX3	Aluminum	750	3P+N+G	32	-	14 AWG	8 AWG	IP65	Screw	214
DX6	Aluminum	750	3P+N+G	63	-	6 AWG	1/0 AWG	IP65/IP66	Screw	216
DX9	Aluminum	750	3P+N+G	125	-	1/0 AWG	2/0 AWG	IP65/IP66	Screw	218
PXN12c	Metal	220	11P+G	-	10	16 AWG	14 AWG	IP65/IP66	Solder/Crimp	221
DXN25c	Metal	440	24P+G	-	10	16 AWG	14 AWG	IP66/IP67	Solder/Crimp	223
DXN37c	Metal	220	36P+G	-	10	16 AWG	14 AWG	IP66/IP67	Solder/Crimp	223
SPeX	Polyester	1000	1	-	680	2/0 AWG	750 MCM	IP66	Lug	225