

HAZARDOUS LOCATION Plugs & Receptacles

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



DNX POLY POWER CONNECTORS

P. 167

- ATEX or cCSAus rated for Zone 1 & 21 and Class I & II Div 2
- Horsepower rated
- Compact design
- 20 A, 30 A and 60 A sizes



DXA 1 POWER CONNECTORS

P. 179

- ATEX or cCSAus rated for Zone 1 & 21 and Class I & II Div 2
- Robust metal construction
- 20 A sizes



DSN/DS POWER CONNECTORS

P. 183

- cCSAus rated, Zone 2 and Class I Div 2
- Horsepower rated
- Robust metal construction for 60 A and above
- 20 A, 30 A, 60 A, 100 A, 150 A, and 200 A sizes



DR POWER CONNECTORS

P. 197

- cCSAus rated, Zone 2 and Class I Div 2
- Robust metal construction for 60 A and above
- 30 A, 50 A, and 250 A sizes



DSDC POWER CONNECTORS

P. 203

- cCSAus rated, Zone 2 and Class I Div 2
- Robust metal construction for 60 A and above
- 20 A, 30 A, 60 A, 100 A and 200 A series



DX POWER CONNECTORS

P. 205

- ATEX rated for Zone 1 & 21
- Rugged metal construction
- 20 A, 32 A, 63 A and 125 A series
- Up to 600 V, IP65



PNCX LOW POWER CONNECTORS

P. 215

- ATEX rated for Zone 1/21
- IP66/IP67/IP69 water and dust protection
- 5 A, 250 V non-current interrupting

The MELTRIC Advantage

MELTRIC offers a range of hazardous duty rated devices for use in power supply and control applications. Each device features our butt-style contact technology that maximizes durability and performance. Depending on application needs, most devices can be configured for use in-line and wall mounted applications. Hazardous Duty Products prevent the ignition of hazardous gases or dusts, eliminating explosions that may cause personal injury or damage to equipment and the facility. With specialty self-wiping silver-nickel contacts, that clean dust and particles off the contact tips, operational function is ensured for thousands of cycles.

Common industry applications:

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



Explanation of Area Classifications and Relevant Listings

The hazardous location area classifications and ratings used in most of North America differ from those used in most of the rest of the world. The North American approach has historically been to use a Class and Division system to identify the different levels of explosion hazards, while the international approach is based on Zones. In recent years, there has been recognition of the Zone classifications in the NEC and CEC, but the vast majority of the area classifications in North America continue to be based on the Class and Division system. The table below shows the relationship between the Class/Division and Zone based classification systems.

Gas

Explosive atmosphere	Continuously present	May occur in normal conditions	May appear accidentally or in abnormal conditions
Class & Division	Class I, Division 1		Class I, Division 2
Zone	Zone 0	Zone 1	Zone 2

Dust

Explosive atmosphere	Continuously present	May occur in normal conditions	May appear accidentally or in abnormal conditions
Class & Division	Class II, Division 1		Class II, Division 2
Zone	Zone 20	Zone 21	Zone 22

MELTRIC offers hazardous locations products rated for use in Zone 1, Zone 2, Zone 21, Zone 22, Class I Division 2 and Class II Division 2 areas as shown by the yellow highlighted cells in the table above. The area classifications, ratings and certifications that apply to each of the various products is shown in the following product specification table.

Selecting the Right Hazardous Location Rated Plug and Receptacle

Hazardous Duty Product Specifications

Zone 1/21 & 2/22, Class I & II Division 2 Devices												
Product Type	Housing Material	Maximum Number of Contacts	Electrical Ratings				Certifications	Environmental Ratings	Wiring Capacity		Wiring Connection	Catalog Pg
			Max VAC	Amperage	Current Interruption	HP@MAX Voltage			Min/Max			
DXN20	POLY	3P+N+G	600	20 A	YES	7.5 hp	cCSAus	IP66/IP67	16 AWG	10 AWG	Screw	171
DXN30	POLY	3P+N+G	600	30 A	YES	15 hp	cCSAus	IP66/IP67	14 AWG	6 AWG	Screw	173
DXN30	POLY	3P+N+G+2 AUX	550	30 A	YES	15 hp	cCSAus	IP66/IP67	14 AWG	6 AWG	Screw	173
DXN60	POLY	3P+N+G	600	60 A	YES	20 hp	cCSAus	IP66/IP67	10 AWG	4 AWG	Screw	175
DXN60	POLY	3P+N+G+2 AUX	550	60 A	YES	20 hp	cCSAus	IP66/IP67	10 AWG	4 AWG	Screw	175
DXA1	METAL	3P+N+G	600	20 A	YES	7.5 hp	cCSAus	IP66/IP67	16 AWG	10 AWG	Screw	181
SPeX	POLY	1P	600	600 A	NO	-	cCSAus	IP65/IP66	2/0 AWG	750 MCM	Lug	225

Zone 2, Class I Division 2 Devices												
Product Type	Housing Material	Maximum Number of Contacts	Electrical Ratings				Certifications	Environmental Ratings	Wiring Capacity		Wiring Connection	Catalog Pg
			Max VAC	Amperage	Current Interruption	HP@MAX Voltage			Min/Max			
DS20	POLY	3P+N+G+2 AUX	600	20 A	NO	10 hp	cCSAus	Type 4X	14 AWG	8 AWG	Screw	185
DS30	POLY	3P+N+G+4 AUX	600	30 A	NO	15 hp	cCSAus	Type 4X	14 AWG	4 AWG	Screw	187
DS60	METAL	3P+N+G+4 AUX	600	60 A	NO	25 hp	cCSAus	Type 4X	10 AWG	2 AWG	Screw	189
DS100C	METAL OR POLY	3P+N+G+4 AUX	600	100 A	NO	50 hp	cCSAus	Type 4X	10 AWG	2 AWG	Screw	191
DSN150	METAL	3P+N+G+6 AUX	600	150 A	NO	75 hp	cCSAus	Type 4X	4 AWG	2/0 AWG	Screw	193
DS200	METAL	3P+N+G+2 AUX	600	200 A	NO	100 hp	cCSAus	Type 4X	4 AWG	4/0 AWG	Screw	195
DR30	POLY	3P+N+G+2 AUX	600	30 A	NO	-	cCSAus	Type 4X	14 AWG	8 AWG	Screw	197
DR50	POLY	3P+N+G+4 AUX	600	50 A	NO	-	cCSAus	Type 4X	14 AWG	4 AWG	Screw	199
DR250	METAL	3P+N+G+2 AUX	600	250 A	NO	-	cCSAus	Type 4X	4 AWG	4/0 AWG	Screw	201

Zone 2, Class I Division 2 Devices for Direct Current												
Product Type	Housing Material	Maximum Number of Contacts	Electrical Ratings				Certifications	Environmental Ratings	Wiring Capacity		Wiring Connection	Catalog Pg
			Max VDC	Amperage	Current Interruption	HP@MAX Voltage			Min/Max			
DSDC1	POLY	2P+G	250	20 A	NO	-	cCSAus	Type 4X	14 AWG	8 AWG	Screw	203
DSDC3	POLY	2P+G	250	30 A	NO	-	cCSAus	Type 4X	14 AWG	4 AWG	Screw	203
DSDC6	METAL OR POLY	2P+G	250	60 A	NO	-	cCSAus	Type 4X	10 AWG	2 AWG	Screw	203
DSDC9	METAL	2P+G	250	100 A	NO	-	cCSAus	Type 4X	4 AWG	2/0 AWG	Screw	203
DSDC2	METAL	2P+G	250	200 A	NO	-	cCSAus	Type 4X	4 AWG	4/0 AWG	Screw	203

International Configurations & Ratings												
Product Type	Housing Material	Maximum Number of Contacts	Electrical Ratings				Certifications	Environmental Ratings	Wiring Capacity		Wiring Connection	Catalog Pg
			Max VAC	Amperage	Current Interruption	HP@MAX Voltage			Min/Max			
DXN1	POLY	3P+N+G	550	20 A	YES	-	ATEX, IECEX	IP66/IP67	16 AWG	10 AWG	Screw	171
DXN3	POLY	3P+N+G	750	32 A	YES	-	ATEX, IECEX	IP66/IP67	14 AWG	6 AWG	Screw	173
DXN3	POLY	3P+N+G+2 AUX	550	32 A	YES	-	ATEX, IECEX	IP66/IP67	14 AWG	6 AWG	Screw	173
DXN6	POLY	3P+N+G	750	63 A	YES	-	ATEX, IECEX	IP66/IP67	10 AWG	4 AWG	Screw	175
DXN6	POLY	3P+N+G+2 AUX	550	63 A	YES	-	ATEX, IECEX	IP66/IP67	10 AWG	4 AWG	Screw	175
DXA1	METAL	3P+N+G	600	20 A	YES	-	ATEX, IECEX	IP66/IP67	16 AWG	10 AWG	Screw	181
DX1	METAL	3P+N+G	750	20 A	YES	-	ATEX, IECEX	IP65	14 AWG	8 AWG	Screw	209
DX3	METAL	3P+N+G	750	32 A	YES	-	ATEX, IECEX	IP65	14 AWG	8 AWG	Screw	210
DX6	METAL	3P+N+G	750	63 A	YES	-	ATEX, IECEX	IP65/IP66	6 AWG	1/0 AWG	Screw	211
DX9	METAL	3P+N+G	750	125 A	YES	-	ATEX, IECEX	IP65/IP66	2 AWG	2/0 AWG	Screw	212
PNCX	POLY	3P+N+G	250	5 A	NO	-	ATEX, IECEX	IP66/IP67/IP69	20 AWG	14 AWG	Screw	215
PXN12c	METAL	11P+G	220	10 A	NO	-	ATEX, IECEX	IP65/IP66	16 AWG	14 AWG	Solder/Crimp	219
DXN25c	METAL	24P+G	440	10 A	NO	-	ATEX, IECEX	IP66/IP67	18 AWG	14 AWG	Solder/Crimp	221
DXN37c	METAL	36P+G	220	10 A	NO	-	ATEX, IECEX	IP66/IP67	18 AWG	14 AWG	Solder/Crimp	221
SPeX	POLY	1P	1000	680 A	NO	-	ATEX, IECEX	IP65/IP66	2/0 AWG	750 MCM	Lug	225