

World Solenoid The XDB

Bulletin XDB
Feb 2011

General Description:

A compact, heavy duty solenoid with integral junction box. Manufactured in 316 stainless steel for use in Hazardous Location, with IEC, Atex, and North American Certifications.

Classification: See Chart

Materials of construction:

- Housing – 316 Stainless Steel,
- Wetted Parts –430FR, 303, 304,
- Elastomers - FKM.
- Low Temp available

Coil / Duty:

- Epoxy molded coils rated for continuous duty,
- Class H – 180°C.
- Voltages: 24VDC (D024), 48VDC (D048), 120V60HZ (A120), 110V50HZ (E110) and 230V50HZ (E230); for other voltages contact factory.

Temperature Classes:

T4, 90°C ambient; for other T classes contact factory.

Power consumption: Standard - 1.8 Watt, for lower watt contact factory.

Pressures: Standard pressure 200 psi, for higher pressure contact factory

Surge Suppression: Surge suppression diode available -60°C to 175°C.

Ingress protection: See Chart, cable gland / conduit connection dependant.

Size: Approximately 2.5" (63.5m) Ø x 2.9 (73.66) high (base to vent port)



	XDBS M 20 Connection	XDBT ½" NPT Connection
ATEX IEC EX II 2 G D	Ex d e T* Gb EX tb IIIC T* Db IP 66/67/68	Ex d e T* Gb EX tb IIIC T* Db IP 66/67/68
North America NEC 500	NA	CI I, Div 1, Groups B,C,D T* CI II, Div 1, Groups E,F,G CI III IP 66 NEMA 4X, 6P
North America NEC 505	CI I Zone 1 A/Ex d e IIC T* CI II Zone 21 Aex tD 21 T**C IP66 CI III DIP A21 IP66 T** C IP66 NEMA 4X, 6P	CI I Zone 1 A/Ex d e IIC T* CI II Zone 21 Aex tD 21 T**C IP66 CI III DIP A21 IP66 T** C IP66 NEMA 4X, 6P

	Suffix Detail Ordering Code			
	M 20 Connection		½" Connection	
	No Diode	Diode	No Diode	Diode
Standard (vent to atmosphere)	XDBS1	XDBS5	XDBT1	XDBT5
1/8" Adapter (-H2E)	XDBS2	XDBS6	XDBT2	XDBT6
1/4" Adapter (-H2)	XDBS3	XDBS7	XDBT3	XDBT7
Dust Nut (-L14)	XDBS4	XDBS8	XDBT4	XDBT8

