



**READ CAREFULLY BEFORE USE**



The data following are destined exclusively to specialized users, able to interact with the product under safety conditions for the peoples, for the device itself and for the environment, in the full respect of the regulations in force.

This document doesn't deepen informations regarding installation, assembly, disassembly and extraordinary maintenance. Since such operations must exclusively be perform from authorized technical support.

Verify preventively that both the destination of use of the solenoid valve and that for which the solenoid valve it was demanded (fluid, pressures, temperatures, etc.).

**Make sure that the type and the degree of protection of the solenoid valve as well as the temperature of the fluid that the valve intercepts are compatible with the degree, the type of protection and the class of temperature required by the classification of the zone in which the valves must be installed.**

**Use the solenoid valve only with fluids compatible with the materials of which it is composed:** Brass OT58 Uni 5705-65(Cu58% Zn40s% Pb2%), stainless steel A X5CrNiMo1712(AISI316s) or A X2CrNiMo1712(AISI316Ls) and the type of elastomer used for the seal.

**Do not use the solenoid valve with pressure values out of the limits of pressure marked on the plate.**

**Make sure that the voltage and type of power supply (alternate or continuous) and of value between  $\pm 10\%$  of the value marked on the plate.**

**Do not energize the solenoid valve without the protection devices correctly mounted on (threaded cap completely screwed, security dowel screwed, cable entry devices mounted on and correctly locked). After de-energizing, delay 15 minutes before opening.**

Make sure that the solenoid valve is not energized before removing any protection devices (security dowel, threaded cap, cable entry joints).

In the eventuality of coil replacement, in case of breakdown, follow the suitable procedure using the tools and the materials indicated by the manufacturer. Use only the coil supplied by the builder, of type right to fit to the model of solenoid valve and of the same voltage to that marked on the plate. In case that the connection to the electric network will be made in a second time from the assembly of the solenoid valve make sure that the threaded cap is screwed tight and that the cable entry thread is closed with a cap to avoid possible infiltrations of water inside the explosion proof housing. Do not fit the solenoid valve on the pipelines making lever on the explosion proof housing.

**MATERIAL IDENTIFICATION THROUGH MODEL**

C03 T 18 C 0 B		<b>TYPE OF PROTECTION</b>	
		B EEEx-d IIB 1/2 GD	
		C EEEx-d IIC 1/2 GD	
<b>BODY MATERIAL</b>		<b>SEAL MATERIAL</b>	
T Brass		0 NBR (Buna N)	
N Nickel-plated brass		1 VITON	
B Bronze		2 VULKOLLAN	
H Stainless steel AISI 303/304		3 PTFE o RULON	
I Stainless steel AISI 316/316L		4 Metallica	
L Light alloy		5 Neoprene	
C Carbon steel		6 EPDM	
		7 HNBR	
		8 Altre	
<b>Female/Female threads to join with external threaded pipes.</b>		<b>Flange or base plate</b>	
secondo norme UNI ISO 228.1 o ISO7.1		secondo norme ANSI B2.1 o B2.2	
A 1/8"	B 1/8"	J Welding	
C 1/4"	D 1/4"	U Base	
E 3/8"	T 3/8"	X ASA300	
F 1/2"	G 1/2"	Y ASA150	
H 3/4"	I 3/4"	Z UNI2282	
L 1"	M 1"		
N 1 1/4"	V 1 1/2"		
O 1 1/2"	W 2"		
P 2"			
Q 2 1/2"			
R 3"			
S 4"			
generically named "GAS" thread.	generically named "NPT" thread.		

**MARKING EXAMPLE**

USE CABLE SUITABLE FOR TEMP 85°C

Mod. C 0 3 T 1 8 C 0 B Orif. 1.8 mm

Series C Cert. KEMA 04 ATEX 2158

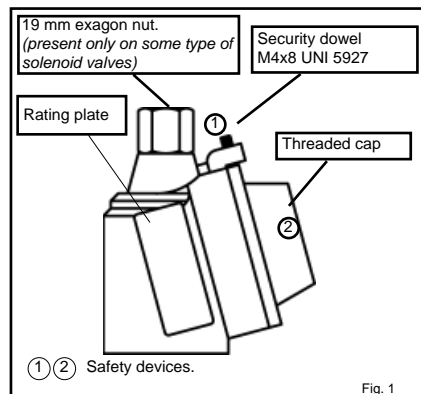
EEEx-d IIB 1/2 GD 15 min. before opening

Ref. 12345

Mazda di RHO (MI) - ITALY

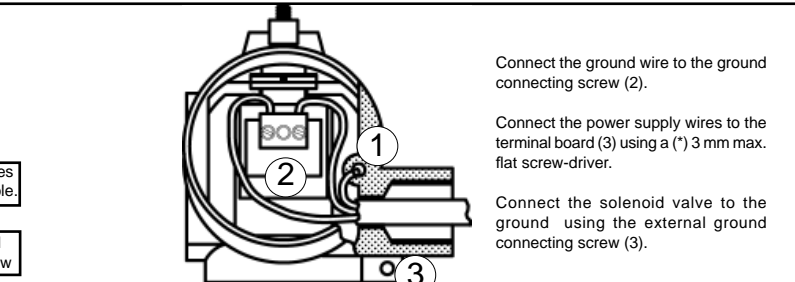
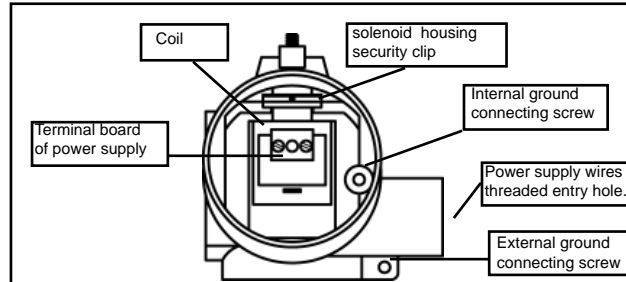
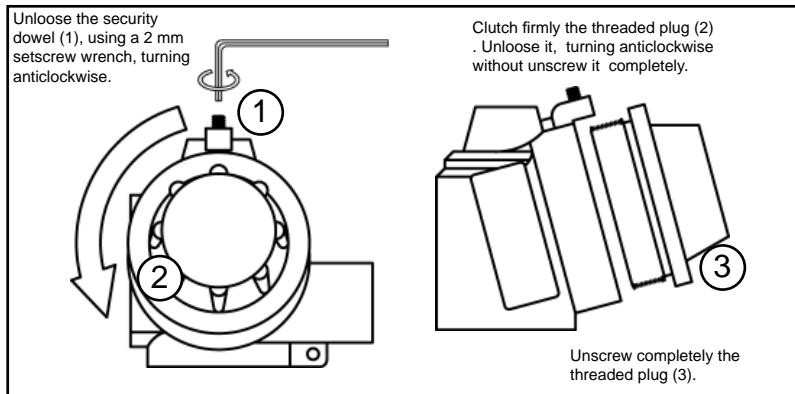
2004

Vol. 24 DC W 11 Ap 0-10 bar



**Attention:**

for safety purpose be sure that power supply is not present. After de-energizing, delay 15 minutes before continue with the next operations.



**! Pipe fitting used for cable entry (cable duct, conduit, etc) are NOT supplied by the manufacturer. Should be care of the installer to use fittings of proper diameter and type suitable to secure tightness for the cable used. Pipe fittings (cable duct, conduit, etc) must be ATEX approved for a protection degree equal or greater than the protection degree indicated on the rating plate. Type of thread of the cable entry for the solenoid housing is stamped on the outlet side of the cable entry and it could be: 1/2" Gk, 1/2" NPT, M20x1,5 (ISO M20x1,5).**

