



DESCRIPTION

TMEx35 and TMEx40 solenoids are designed and built in accordance with EN 50014:1997 + A1 + A2, EN 50028:1999, EN 50019:2000, EN1127-1:1998 standards. Solenoids have been certified by the Slovenian Institute of Quality and Metrology (SIQ). Certificate number: SIQ 04 ATEX 187X.

These solenoids are suitable for actuation of all types of JAKŠA solenoid valves which operate in potentially explosive ambients.

MAINTENANCE

No solenoid maintenance is required. In case of valve repair follow the installation instructions overleaf when re-installing or re-wiring the solenoid.

Refer to JAKŠA SOLENOID VALVES INSTALLATION AND MAINTENANCE INSTRUCTION for information regarding solenoid valve installation.

WARNING: Before any valve or solenoid repair make sure that the power is switched off!

WARRANTY

Each solenoid has a built-in a rectifier and a fuse. If a voltage peak occurs in the electric circuit, the fuse burns out and it cannot be replaced. Sources of voltage peaks should therefore be detected and adequate suppression provided in advance to prevent the damage to the solenoid.

NOTE: In case of solenoid malfunction caused by unsuppressed voltage peaks or mechanical damage caused by improper handling, the warranty is void!

SPECIAL CONDITIONS OF USE

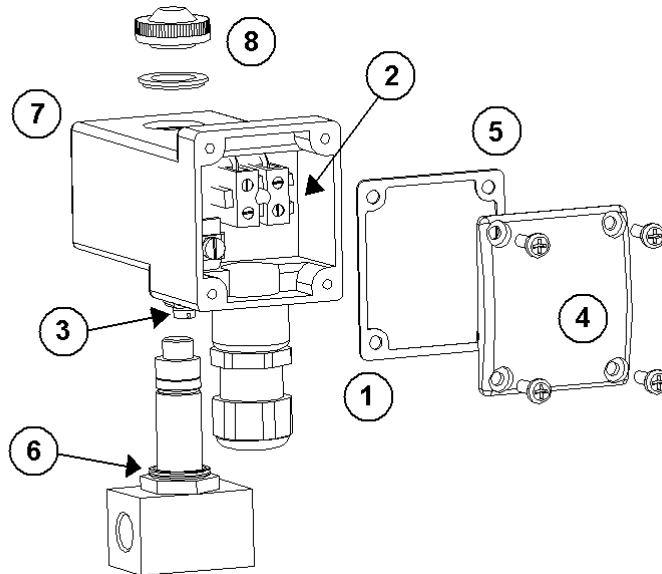
- Solenoid must be electrically protected in the way that prevents short-circuit current from exceeding 1500 A.
- Solenoid must not be exposed to external mechanical strain during course of operation. If there is a possibility of such strain occurring, additional mechanical protection must be provided.
- Temperature class depends on maximum allowable ambient temperature.
- Use with IIC group: prevent static electrical charging of solenoid housing; always clean solenoid with **damp cloth!**

INSTALLATION INSTRUCTION

WARNING: Installation should be performed by qualified personnel only!

Intrusion of damp into the coil drastically shortens the coil life, so adhere strictly to this instruction to prevent the damage!

Before installing make sure that the solenoid is not mechanically damaged.



a) Cable feed and wiring

Feed the cable through the cable gland (1) in the way that prevents damp accumulation near the cable gland and possible intrusion into the terminal box (2).

Connect the leading wires to the corresponding terminals. Additional groundind is possible by means of external ground terminal (3).

Cable gland nut (1) should be tightened with a torque not exceeding 1.0 Nm. Perform the strength check: the cable must not be pulled out of the cable gland.

Place the flat gasket (5) into the groove on the cover (4), then fix the cover with four M4 screws and tighten them with the torque of 0.4 - 0.6 Nm, so that the flat gasket prevents damp or dust intrusion into the terminal box.

b) Mounting the solenoid onto solenoid valve

Make sure that both rubber seals (6 and 7) are properly placed, then tighten the nut (8) manually, with the torque of 1.0 - 1.5 Nm, to prevent the damp intrusion into the winding.

RECOMMENDATION: If a solenoid valve operates outdoors, an additional protection from rain or snow should be provided.