

Manufacturer declaration

Produkt	<p>Pressure switch series:</p> <p>DG..U, DG..B, DG..H, DG..N, DG..I</p> <p>CE Number after gas device directive : CE-0085AP0467</p>
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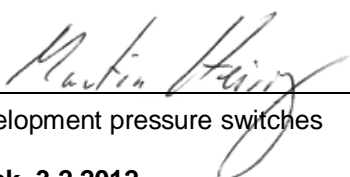
Herewith we confirm for our pressure switches of the type series mentioned above, that they can be attached at installations with explosive atmosphere (zone 2, zone 22) without an isolated switch amplifier.

The connection at zone 2, zone 22 must take place over one of the 1/4" threads. Even in the improbable case of an diaphragm break there is no danger for reigniting into the installation. The pressure compensation drillings at the pressure switch (1/4" connection) have an after IEC/EN 60079-15:2005 defined ignition safety in terms of safety measure „enclosed switchgear for gas and vapours of group IIA“.

The from a potential off switching spark caused explosion, won't be transmitted to the explosive atmosphere in the installation.

This was tested by the "Institut für Sicherheitstechnik GmbH IBExU" by experimental testing of the pressure compensation drilling at the pressure switch type DG..U,B,H,N,I in explosive atmosphere concerning the confirmation of the safety measure "enclosed switchgear" after IEC/EN 60079-15:2005 (Electrical apparatus for explosive gas atmospheres – Part 15: Construction, test and marking of type of protection "n" electrical apparatus), paragraph 33.4.

At zone 22 it is to be made certain, that dirt particle cannot lock the inlet hole from the connection ($\varnothing=0,8\text{mm}$).


Development pressure switches

Osnabrück, 3.2.2012

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