



#### 1.1.14

We hereby confirm that the EVERSITCH switch type SMF, stainless steel, comply with the European Standard for the Intrinsic Safety EN50020, Paragraph 10.11. for use in instrument in explosive atmospheres of Group I M1 and Group II IG IIC, according the European Directive ATEX 94/9/CE.

The switch has been tested by the UL Laboratory, Illinois USA, for the Group II ( File E190355 Project 98NK6967 ) and by INERIS, 60550 France, for Group I ( File INERIS 05ATEX0044).

The energy generated with an impact test of 7 and 20 Joules was of 33.15 u.I, less than 50 u.I, the maximum permitted energy in accordance with the EN 50020 standard.

The electrical parameters regarding the intrinsic safety are:

$V_{in\ max} = 24\ V\ AC/DC$ ,  $I_{in\ max} = 0.200\ A$ ,  $C_{in} = 6\ nF$ ,  $L_{in} = 10\ mH$