

EU-Declaration of conformity

1. Description and use of the devise:

The limit switch boxes type: SB-PA..., SB-PE..., SB-AL..., SB-VA..., SB-PA...-H, SB-AL...-H, SB-VA...-H, SB-PA...-D, SB-AL...-D, SB-VA...-D, SB-PA...-U and SB-AL/G-SJ 3,5-SN-T or SB-AL-G-SJ 3,5-SN-T with intrinsically safe inductive sensors serve the purpose of reporting end or intermediate positions of industrial valves, where as these have to be mounted with the bracket or the mounted aluminium plate (via F05-slot) and the mounting set is placed on/at the rotary or linear actuators and screwed together.

Use of the above mentioned limit switch boxes can be found in endangered explosive areas as in the chemicals industry, equipment group II, category 2G, zones 1, 2 or 2D, zones 21, 22.

Besides the polyamide limit switch boxes SB-PA...-U will be insert in explosive areas in the mining industry of equipment group I, category M2.

Another possibility also can be found the low temperature limit switch box SB-AL/G-SJ 3,5-SN-T or SB-AL-G-SJ 3,5-SN-T in explosive areas as the extremely cold zones in Sibiria, equipment group II, category 2G, zones 1, 2 or 2D, zones 21, 22.

For pressure compensation can be use a membrane vent witch is fixed in the ground of the limit switch boxes.

2. Requirements:

The certified limit switch boxes fully comply with the requirements of guideline 2014/34/EU as well as the norms:

EN 60079-0: 2018 Explosive atmospheres - Part 0:
Equipment - General requirements

EN 60079-11: 2012 Explosive atmospheres - Part 11:
Equipment protection by intrinsic safety "i"

3. EU-Prototype technical release certificate-No.: IBExU 04 ATEX 1211

4. QS-test center:

IBExU (Identification-No.: 0637)
Institut für Sicherheitstechnik GmbH
Fuchsmühlenweg 7
09599 Freiberg

5. Responsible

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Rauter Sensor-Boxes, Neuss

Neuss, den 05. Februar 2021



Dipl.-Ing. Peter Rauter