

## DECLARATION OF CONFORMITY

R.n.: 16/2015

Producer: **ELGAS, s.r.o.,  
Ohrazenice 211,  
533 53 Pardubice,  
Czech Republic**

**herewith declare that:**

Product: **Terminal switch**  
Type: **KS 06i, KS 06i/B**

**Description and determination of product function:**

The terminal switch KS 06i, KS 06i/B is connected to intrinsically safe circuits. Is used to identify position of quick-release valve. Terminal switch is controlled by sprung-touch tap, that transmits press of quick-release valve lever to the microswitch and signals required position. After lever release from top working position is changed state of electrical circuit and therefore is signalized that supply of working medium is disconnected through the safety quick-release valve.

Device has to be used at ZONE II with requirement that will be connected as "Simple apparatus" (following EN 60079-1) to intrinsically safe device. Following this, device can be connected to intrinsically safe devices produced by ELGAS, s.r.o. (DATCOM, DATCOM-2, mini/midi/maxiDATCOM, ELCOR-2, microELCOR-2, mini/midi/maxiELCOR, DATCOM-K3, DATCOM-K4, DATCOM-RTU(DIO-8/IS), DATCOM-AMR2, DATCOM-AMR3, DATCOM-AMR3/S)). For connection to intrinsically safe devices of other manufacturers needs to be judged parameters of their intrinsically safe circuits.

**Special conditions for safety use:**

Degree of protection: for IP 68 has to be used cable of outer diameter 6 - 8 mm and protective caps has to be properly tightened.

**Technical parameters:**

Device group:	II
Max. voltage on switch:	10 V
Insulation resistance:	max. 5 M $\Omega$
Contact resistance:	max. 50 m $\Omega$
Ambient temperature:	T <sub>a</sub> = - 40 °C ÷ + 80 °C
Degree of cover:	IP 68
Max. diameter of connected cable:	8 mm
Temperature class:	T4
Usable area:	ZONA 2

Intrinsically safe circuits parameters: U<sub>i</sub> = 10 V, P<sub>i</sub> = 1 W, Li = 0 mH, Ci = 0  $\mu$ F

**is in conformity with:**

**1. European parliament and Council Directive 94/9/EC (ATEX) on equipment and protective systems intended for use in potentially explosive atmospheres**

Applied harmonized standards: EN 60079-0:2007 (EN 60079-0:2010), EN 60079-11:2007, part 5.7

Pardubice, 12.10.2015



Quality Manager