



REED SPEED SWITCH (KAGV)  
**PS-G-V-UKhL2**

**DESIGNATION**

The reed speed switch is designed for discrete remote control of electric drives equipped with frequency regulation, including the auxiliary winch of the drilling rig.

At the request of the customer, the reed speed switch can be used to control the variable drive of the auxiliary winch on drilling rigs operating on stationary offshore oil and gas facilities.

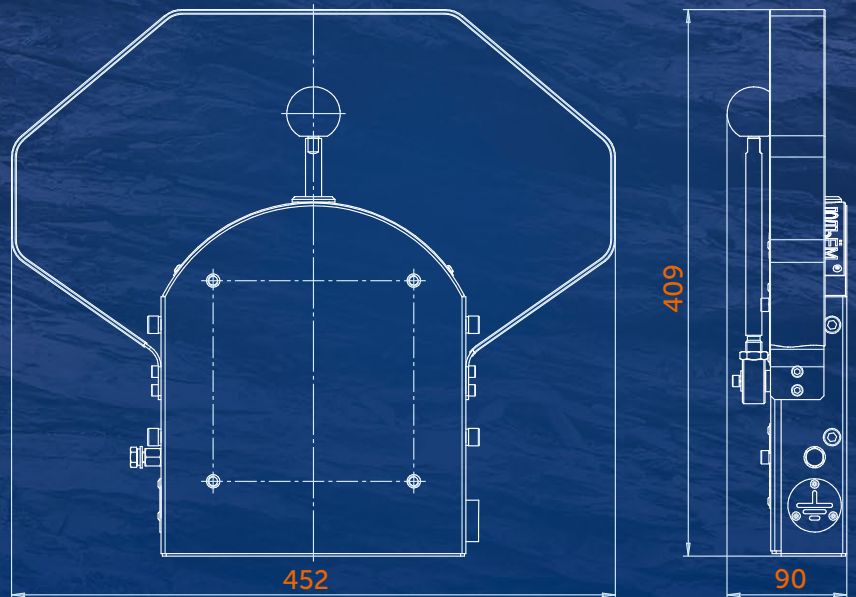
The reed speed switch has an explosion protection level "Explosion-proof equipment" in accordance with GOST 31610.0, provided by the type of explosion protection "Sealing with compound (m)" in accordance with GOST 30852.17, and in accordance with the explosion protection marking 1ExmIIT5X complying to GOST 31610.0 can be operated in explosion hazardous areas in accordance with PUE, chapter 7.3 "Electrical installations in explosion hazardous areas", where the formation of explosive mixtures of categories IIA, IIB and IIC of groups

T1, T2, T3, T4 and T5 according to GOST 30852.19 is possible, and other regulatory and technical documents that determine the applicability of electrical equipment in explosive zones.

On the front surface of the casing, there are installed the following plates: explosion protection marking, diagram of switching contacts of the reed speed switch and passport data. An earth clamp is installed on the side wall of the casing for connecting the reed speed switch to a common earth network.

The reed speed switch has a protective handle above the casing for the entire travel of the control lever handle to prevent accidental shifting of the lever. The handle is removable and fastened with four screws to the side walls of the reed speed switch cover.

The reed speed switch is connected by cable to the terminal box installed on the drilling rig.



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## TECHNICAL SPECIFICATIONS

Description		Value
Explosion protection marking of the electrical part of the switch		1Ex mb IIB T5 Gb X
Explosion protection marking of the mechanical part of the switch		II Gb c IIB T5
Degree of protection against external influences		IP54
Switched range voltage	V	5-24
Current type		continuous
Switching current range	A	0,002-0,5
Switched power, max	W	10
<b>Handle force:</b>		
• from zero position	N, min	60
• in an intermediate position		25
Handle angle	deg.	±45 +3
Overall dimensions (with protective arc), max, L x D x H	mm	452 x 90 x 405
Weight, max.	kg	22
Cable length	m	13
Electrical insulation resistance in normal climatic conditions, min.	megaohm	10
Rated operating mode of the speed switch		lengthy
Operating temperature range	°C	-60°...+40°

In connection with continuous reed speed switch winch improvement work in order to increase reliability and performance, changes may be made to the design that are not stated in this description.



**Manufacturer: NKMZ-ST, Ltd.**

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