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ROTATORIAL CONTROL ELEMENT WITH PLAIN BEARING OF THE APPROVAL PLUNGER.

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ROTATORIAL CONTROL ELEMENT WITH PLAIN BEARING OF THE APPROVAL PLUNGER.

Technical Task:

The current state of the art allows only a rigid actuation of the micro-probe in rotatory running controls.

Initial Situation:

This results in the problem of damage of the micro-probe.

Solution:

The new idea is that a separate plunger actuates the micro-probe. For this purpose, it is specially stored and managed.

On a rotating key cap with illuminated symbolism, an approval plunger is attached with a slide bearing. This plunger is attached to/stored in a steering plate. The plunger actuates the micro button on the circuit board. A restoring element (preferably: stamped and bent part, silicone mat ...) returns it to its original position after pressing the button cap.

Now, when the key cap is pressed, the sliding bearing in the key cap in conjunction with the guide in the guide plate ensures that the micro probe is driven in a translatory / linear manner. There are no shear forces that could damage the micro switch.

Advantages:

- The micro button is activated in a translatory / linear manner.

