Actuator with increased vibration resistance

Add. version "**K57**", "**K58**"

1 Description

- **K57**

  The add. version "K57" signifies that the actuator is qualified according to EN 60068-2-6 for loads for an acceleration of **5*g** within a frequency range of 5 ... 500 Hz.

  The following prerequisites have to be met:

  1. Type: **2SA7.1 … 2SA7.6** or **2SG7**
  2. Separate mounting of the electronics unit (add. version "**S41**"/"**S47**").
     The electronics unit must be fastened to a vibration resistant carrier.

- **K58**

  The add. version "K58" signifies that the actuator is qualified according to EN 60068-2-6 for loads for an acceleration of **2*g** within a frequency range of 5 ... 500 Hz.

  The following prerequisites have to be met:

  Type: **2SA7.5, 2SA7.6**
  or
  2SQ7 with separate mounting of the electronics unit (add. version "**S41**"/"**S47**")

2 Assembly *>Not relevant for 2SG7and 2SQ7<*

The following work must be carried out at 2SA7 after setting the end positions:

1. Lock slip clutch of the signaling gear. *>Not relevant for non-intrusive design (2SA7…-…**2**.-….)<*
   This is realized by screwing a loosely supplied fastening screw (self-tapping screw ISO 7049- ST 2.2 x 4.5 C-Z) into the designated bore at the pinion of the signaling gear (see Fig. 1).
2. Disable hand manual
   This is realized by inserting the enclosed clamp onto the shaft of the hand crank or hand wheel (see Fig. 2).

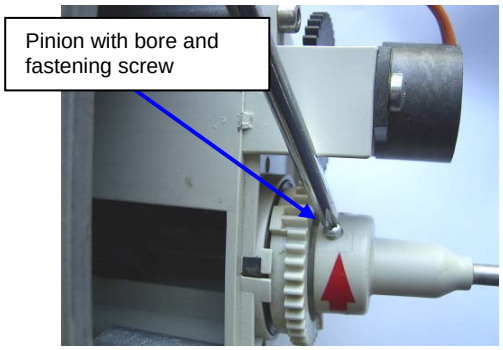

Fig. 1: Signaling gear with pinion and fastening screw

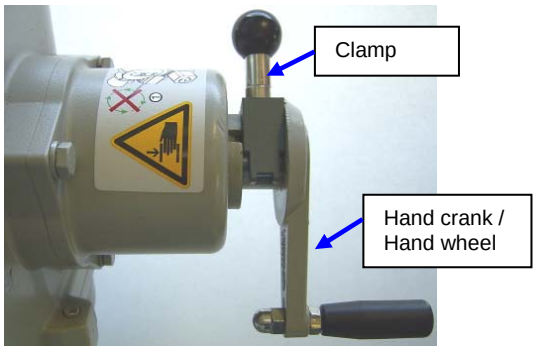

Fig. 2: Hand manual with clamp

3 Notes *>Not relevant for 2SG7 and 2SQ7<*

Attention! If an additional gear unit (LE, GS, GK, etc.) is used, further measures for support may be necessary on site!

- The setting of the end positions has to be performed before screwing in the fastening screw into the pinion of the signaling gear. If this is not observed, the slip clutch will be damaged!
  In case the actuator has to be recommissioned after screwing in the fastening screw, the screw has to be removed and screwed in again after commissioning.
- To ensure the vibration resistance, the clamp must be inserted onto the shaft of the hand manual! The clamp must be removed for manual operation!

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