

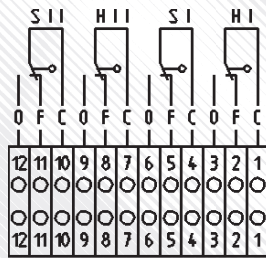
# END 20.20, END 20.40 // Limit switch systems

HI (direction of switch rotation I)

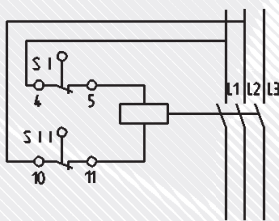
HII (direction of switch rotation II)

SI (direction of auxiliary switch rotation I)

SII (direction of auxiliary switch rotation II)



Auxiliary contactor (Emergency Stop switched status)



- Very precise differential gear limit switch for 580 (EWA 10– EWA 14 / EZW 64) and/or 395 (EWA 16) shaft rotations. Through direct meshing of indexing gears in the output shaft, even after many years of operation, the disengagement points do not change.
- High-quality, watertight, precision limit switches guarantee perfect operation, even under the most extreme of conditions.
- Integrated terminal strip for limit switches. Installation of a position repeated with optional plug-in terminal connector.
- Fine setting of disengagement point possible by virtue of big reduction ratio.
- Gold contacts are standard for all voltages.

**Option:**

- END 20.40 auxiliary limit switch that engages Emergency Stop whenever the contactor fails, using an auxiliary contactor mounted on the structure.

→ Video animation on the web at [www.lockdrives.com](http://www.lockdrives.com) or:

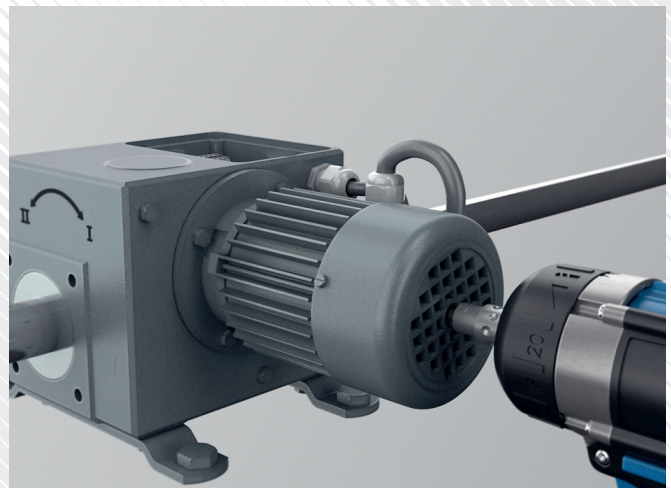


## Setting

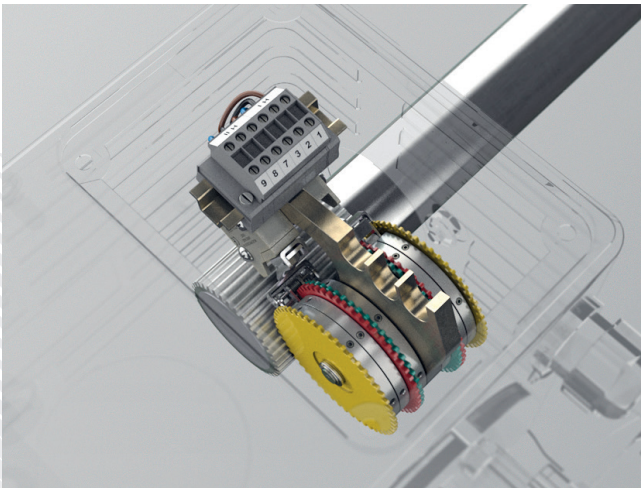


**1** Unscrew, remove and store limit switch cover with gasket.

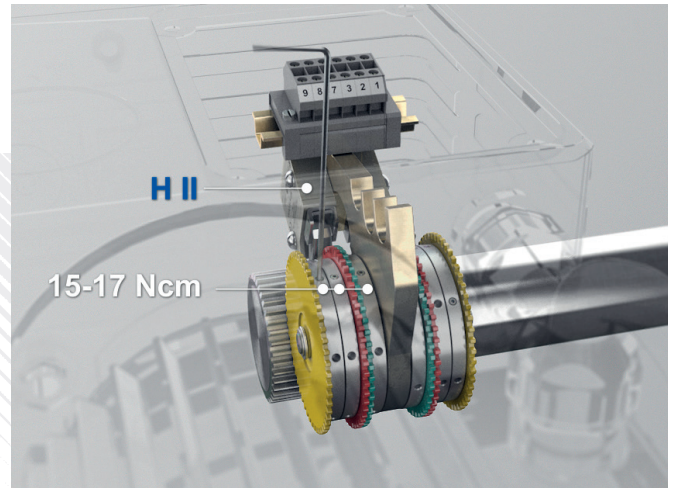
→ The following switch functions are specified: Switch HI turns off direction of rotation I, while switch HII turns off direction of rotation II.



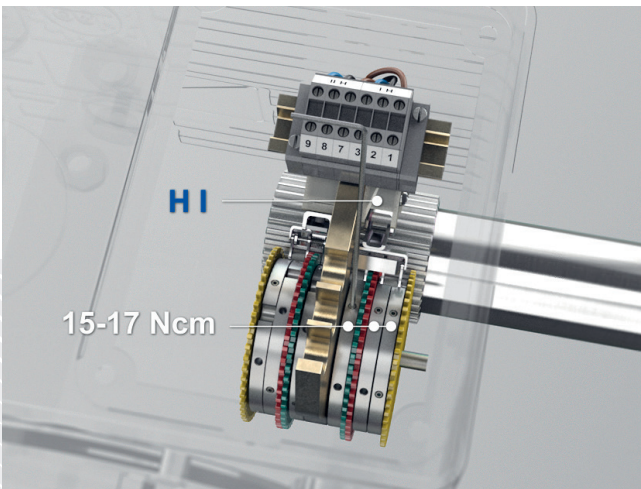
**2** Turn drive on motor shaft using drill and move hex head bit into limit position. During this process, observe direction of rotation of output shaft and compare to arrow showing direction of rotation.



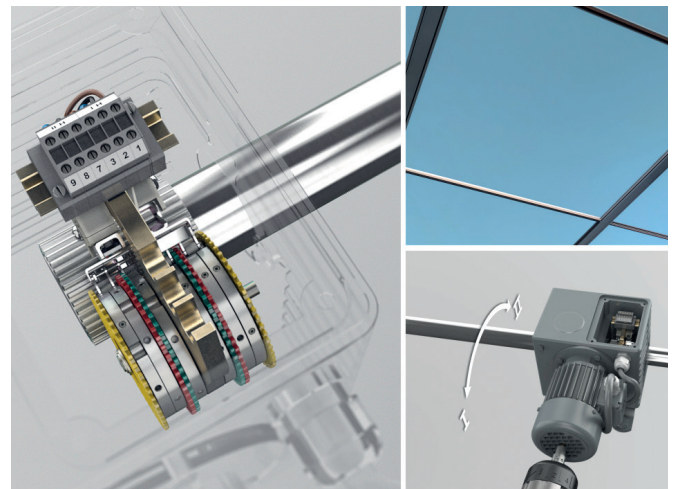
**3** Turn the three actuator rings on the limit switch in the direction of rotation determined until the limit switch roller engages untilted in the indexing groove. If the three indexing grooves are arranged in line, the three screws in the actuator rings will also be arranged in line with one another.



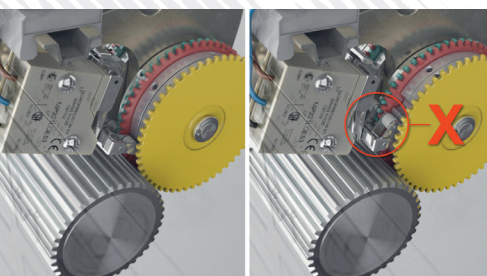
**4** Tighten screws in actuator rings using waf 1.5 hex wrench. An appropriate torque wrench (15-17 Ncm) is available as a Lock accessory.



**5** Turn drive into its other limit position in accordance with Step 2. Also turn the three actuator rings on the other limit switch as described in Step 3. Tighten down screws in the actuator rings in accordance with Step 4.



**6** Test run: Open once, then close once. Close limit switch compartment properly again.



→ X=Override limit switch, tilted condition

**Note:**

→ On version with END 20.40, auxiliary switches SI and SII can also be set by setting main switch HI and HII.