

Position indicator VEW 74451-A1128 RED

Redesign

The electronic position controller Siemens 74451-A1128 consists, as a complete construction unit, of the mechanical gear, which translates the 270° rotation angle of the spring force resetting gear drive into a proportional linear movement. This effects a tappet of a LVDT.

The tappet moves a ferrite core within the LVDT, which influences an electrical field. The field change is proportional to the path of the tappet and thereby proportional to the rotation angle at the gearwheel. This way the rotation angle will be issued electrically analog as 0...20mA signal.

The elektronical translation of the rotation angle is extremely low-wear, reliable and durable due to usage of the LVDT.

The 0...20mA Signal is available at a load of nominally 500 Ω and can thereby be transmitted interference-free on long signalling pathways.

The electronic position controller is fed with nom. 24V DC.

The output lies on a 3-wire-connection, that serves a wanted signal between S and minus. The steepness can be set on a 12-gear-trimmer potentiometer, so that even substantially smaller angles than 270° can be displayed analogously with high strenghtening.

A toggle enables the electronic reversal of the output signal, making it queue at the output, in dependence of the switch position, from 0 to x° increasing or dropping.

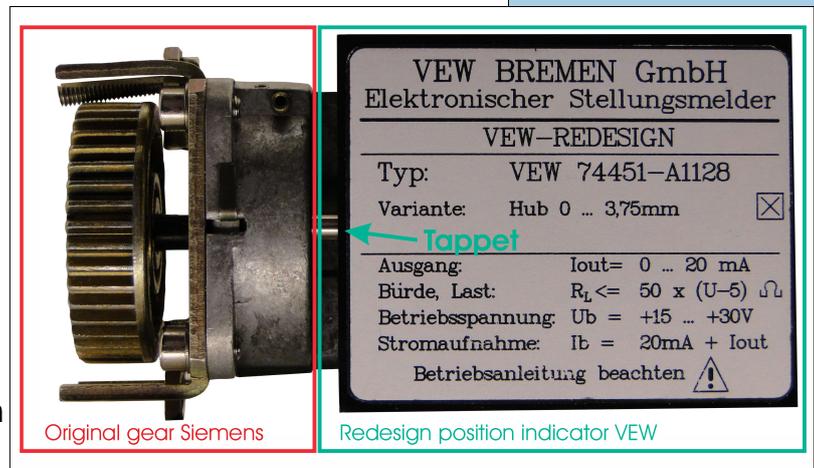
The Redesign by VEW is available as a plug-and-play substitute for the original position controller by Siemens.

The Redesign fits 1:1 mounting-compatible into the guide rail of the original gear, so defect original position controller can be replaced by the Redesign without more ado.

The original gear is still in use today.

Existing cable paths and plug-in connectors are compatible 1:1.

Samples available ex stock.



Technical data:

Supply voltage	: nominal 24V DC (Range 15...30V)
Hub	: on tappet of LVDT 0...3,75mm
Output	: 0...20mA = 0...3,75mm, reversable with sliding-switch
Load	: ≤500 (U _b -5)Ω
Current	: I _{out} + 20mA
Gain	: adjustable
Dimension	: 65x55x21mm (same as original)
Plug-in, connector	: 3x MS 2,8x0,5 (same as original)



DIE ENTWICKLER

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