

Short guide spindle drive NTS1

Important: The drive may only be commissioned by a designated specialist!

Application

The NTS1 spindle drive is used to carry out linear movements. It consists of a powerful geared motor and a spindle. The load to be moved is attached to the eyebolt of the thrust tube.

Assembly

The spindle drive NTS1 is mounted in the dovetail rail by means of sliding blocks and U-brackets. A rigid dovetail bracket is also available as an option (article no. 2700105).

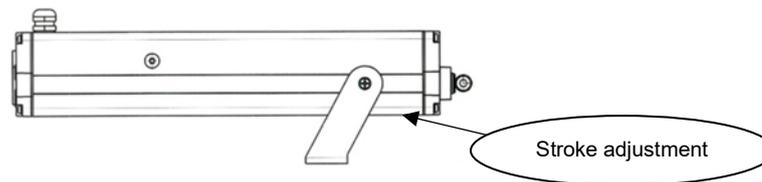
General notes

The drive has internal limit switches and load cut-off.

Stroke adjustment

The extended stroke can be adjusted continuously (see picture below). For this, the cover cap must be unscrewed and the push tube must be in the extended end position. Hold the front adjusting ring by means of two Allen keys inserted crosswise or two smaller screwdrivers and retract the push tube to the desired extension length. Then screw the cover cap back on.

Important: If only the ring is held with a screwdriver, it can break off!



Technical data

Voltage/ current:	24V => 19...30 VDC /0,9A
Voltage / current:	230V => 190-265 VAC /0,13A
Compressive, tensile force:	200 / 350 / 500 / 1000 / 1500N
Static force:	2000N
stroke:	up to 600mm
speed:	3 / 13 /and 37mm/sec.
Protection type:	IP55 (>on demand)
Duty cycle:	50%
Temperature rage:	-20°C bis +60°C

Observe the minimum cross-section for the cable feed. If the connection cable is defective, return the drive.

230VAC Colour assignment connection cable:

- Yellow/Green: „Protective conductor“
- Grey: „Joint head“
- Brown: „EXTEND“
- Black: „RETRACT“
- Pink and Orange: „Communication core“

24VDC Colour assignment NTS1 connection cable:

- Blue (-) Brown (+): EXTEND
- Blue (+) Brown (-): RETRACT
- Pink and Orange: „Communication core“

Option

Signal contact: For the version with signal contact, 4 additional strands are available. Two strands each provide a potential-free switching contact in the end positions of the push tube. (max. 250V/1A)

- | | |
|-----------------------------|---|
| 230VAC Version | ➔ Colour blue and violet: "Signal contact closes when push tube extended" |
| | ➔ Colour red and white: "Signal contact closes when the push tube is retracted" |
| 24VDC Version
(max. 1 A) | ➔ Colour grey and violet: "Signal contact closes when push tube extended". |
| | ➔ Colour red and white: "Signal contact closes when push tube retracted". |

Important: Signal contacts do not close when switched off by overload.

Synchronous operation: Connect two strands of the same colour (pink and orange) to each other.

**Important: The strands must not be connected to voltage, otherwise the electronics will be destroyed!
The switching time in the end position, from "retract" to "extend", is 3 seconds!
The retracted end position must be reached in order to compensate for the stroke offset to each other.**

Accessories

Remote control: Article no. 2211118 GO-1 Hand-held transmitter 1-channel, ETR radio system (433 MHz) and Article no. 2211016 GO-er external receiver, ETR radio system (433 MHz).

Maintenance

The spindle drive NTS1 is maintenance-free during its service life.

Manufacturing standards

CE, ROHS, EMV, further under consideration.

Further guidance

Voltage feedback may occur with exceptionally long connection cables. In this case, the connection cables must each be routed via an external relay circuit (article no. S1B-0111-00).

Tightly glue the M6 thread of the eyebolt to ensure IP55.

To protect the environment, you will find our detailed operating instructions on our homepage.

