

# variostop - Specification

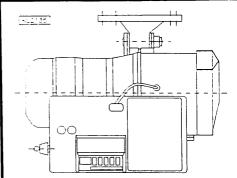
Type V..../6B81AV2227..-N..

Date: 20/01/98 (EN)

Replacing: 8B30

Replaced with:

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# ■ FIELD OF APPLICATION

Lockstitch sewing machines of various manufacturers

## With connections and/or outputs for:

Thread trimmer from position 1 to position 1A
Thread trimmer from position 1A to position 2
Thread wiper
Presser foot lift
Signal "machine running"
Signal position 1
Signal position 2
These outputs are located on the internal socket

(max. 3.0A)
(max. 3.0A)
(max. 3.0A)
(max. 0.5A)
(max. 0.5A)
(max. 30mA)
(max. 30mA)

#### The total power of the outputs is to be limited to 96VA!

Reflection light barrier module for sensing the edge of the fabric Power supply 24V d.c., max. 0.5A for further additional devices Power supply can be changed from +5V d.c. to +12V d.c. and vice versa, max. 250mA

#### **■ CHARACTERISTICS**

The control has a digital touch control panel for programming all parameters (functions, times, speeds, etc.). When a control panel Variocontrol is connected, additional functions are possible, e.g. 8 seam patterns with a total of 40 seams, connection of a Membox for storing the programmed sewing data, connection of an additional light barrier LS001 (order nos. of the control panels V720/V730 and of the Membox see Special Accessories)

## ■ THE FOLLOWING FUNCTIONS ARE AVAILABLE AND CAN BE ADAPTED TO THE MACHINE:

- SOFTSTART: On/off; number of stitches and speed at the start of the seam can be set (factory setting: 2 stitches / 500 RPM).
- BASIC POSITION: Needle position at stop in the seam up/down.
- BRAKING POWER AT MACHINE STANDSTILL: Braking effect can be set.
- PRESSER FOOT LIFT: At stop in the seam automatic/by pedal, after thread trimming automatic/by pedal, start delay after switching off the presser foot lift signal, can be set.
- THREAD TRIMMER/THREAD WIPER: Can be switched on/off.
- STITCH COUNTING: On/off.
- REVERSING SIGNAL: Delay and activation time of the signal can be set.
- SPEED RANGE: 70 RPM to 9900 RPM (depending on machine).
- SPEED LIMITATION: Can be varied during machine run and at intermediate stop.

#### ADDITIONAL FUNCTIONS WHEN A VARIOCONTROL IS CONNECTED:

- PROGRAMMING SEAMS (TEACH-IN): A maximum of 8 patterns with a total of 40 seams is possible. Feeding direction can be inverted.
- PUSHBUTTONS AND SWITCHES FOR THE FOLLOWING FUNCTIONS CAN BE CONNECTED:
- PUSHBUTTON FOR AUTOMATIC SPEED 1
- PUSHBUTTON FOR AUTOMATIC SPEED 2
- PUSHBUTTON FOR AUTOMATIC SPEED 3

- PUSHBUTTON FOR SEAM END

These inputs are located on the internal socket connector B242!

- If THE LIGHT BARRIER IS NOT CONNECTED, THE LIGHT BARRIER INPUT CAN BE USED FOR THE FOLLOWING TOUCH AND/OR SWITCHING FUNCTIONS:
- NEEDLE POSITION UP-DOWN
- NEEDLE POSITION UP
- SINGLE STITCH: Basting stitch
- FULL STITCH
- NEEDLE TO POSITION 2
- PRESSER FOOT UP WITH PEDAL IN POSITION 0 (NEUTRAL)
- BLOCKING OF MACHINE RUN: Positioned stop; break contact [N.C.]/make contact [N.O.] selectable
- BLOCKING OF MACHINE RUN: Unpositioned stop; break contact [N.C.]/make contact [N.O.] selectable
- AUTOMATIC SPEED
- LIMITED SPEED WHEN USING THE PEDAL

By means of the internal actuator 12 speed stages are switched. Stage 1 (positioning speed) and stage 12 (maximum speed) can be set. The maximum speed of the set value can be reduced by stages. The basic setting of the maximum speed is not modified. Stages 2...11 (intermediate speeds) adapt automatically to the respective maximum speed.

# UNIT CONSISTING OF

1 induction motor with electromagnetic clutch

type V....\*1)

1 electronic control type 6B81AV2227 with power pack type N30

1 position transmitter type P5-2

1 set of standard accessories B10 (consisting of):

1 belt guard, complete (for pulleys up to  $132\text{mm}\phi$ )

1 set of hardware

1 motor mounting foot

1 bracket 1 and 2, short

1 documentation

1 set of accessories Z3 (consisting of):

1 pitman rod, complete

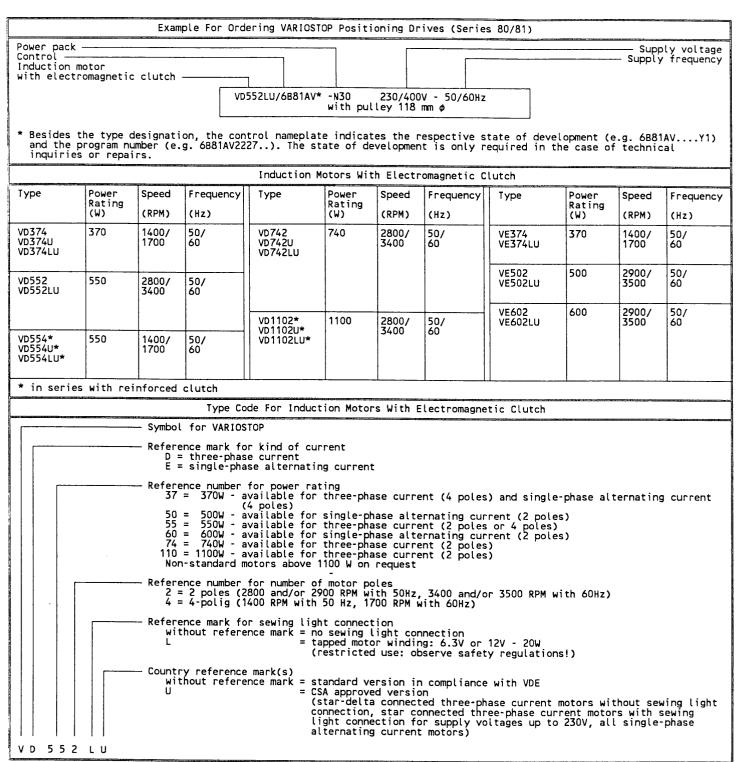
1 pulley DIN42692-L (size according to request)

#### ■ SPECIAL ACCESSORIES - SEE REVERSE:

\*1) Available motors see last page

* SPECIAL ACCESSORIES, AGAINST EXTRA CHARGE:	Part No.
Variocontrol V720	5900124
Variocontrol V730	5900125
Belt guard (for pulleys up to $180 \text{mm} \phi$ )	7960012
Storage unit Memory Box MB001	7900052
Storage card Memory Card MC001	1111602
Reflection light barrier module LSM001	6100028
Reflection light barrier Variolux LS-001-004 (only in conjunction with V730)	6100007
Solenoid type EM1(for e.g. presser foot lift, etc.)	available versions see
	specification "solenoids"
Extension cable for external actuator, approx. 750 mm long, complete with plug and socket connector	1111845
Extension cable for external actuator, approx. 1500 mm long, complete with plug and socket connector	1111787
5-pin plug with locking screw for the connection of another external actuator	0501278
External actuator type EB301 with approx. 250 mm connecting cable and 5-pin plug with locking screw	41.0011
External actuator type EB302 (softer spring) with approx. 250 mm connecting cable and 5-pin plug with locking screw	41.0012
Foot control type FB301 with one pedal for standing operation with approx. 1400 mm connecting cable and plug	4170013
Foot control type FB302 with three pedals for standing operation with approx. 1400 mm connecting cable and plug	4170018
Potential equalization cord 700 mm long, LIY 2.5 mm <sup>2</sup> , grey with forked cable brackets on both sides	1100313
Fitting piece for position transmitter	0300019
Extension cable for position transmitter P5, approx. 1100 mm long, complete with plug and socket connector	1111584
Extension cable for position transmitter P5, approx. 315 mm long, complete with plug and socket connector	1111229
Knee switch type KN3 (pushbutton) with cord of approx. 950 mm length without plug, for switching the functions overleaf	58.0013
Sewing light transformer	please indicate line voltage and sewing light voltage (6.3V or 12V)

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(DOK210995DE)

Elka

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