

Efka vario dc

CONTROL

DA82CV3201

PARAMETER LIST

No. 402006 english

OPERATOR LEVEL

Parameter	Designation	Unit	max		min	Preset		Ind. Prg. No.
			SEL1.	SEL2.		SEL1.	SEL2.	
F-000 Arv	Initial backtacking stitches forward		254		0	3		A
F-001 Arr	Initial backtacking stitches backward		254		0	3		A
F-002 Err	Final backtacking stitches backward		254		0	2 3		A
F-003 Erv	Final backtacking stitches forward		254		0	0 2		A
F-004 LS	Light barrier compensating stitches		254		0	6		A
F-005 LSF	Number of stitches of the light barrier filter for knitted fabrics		254		0	0		A
F-006 LSn	Number of light barrier seams		15		1	1		A
F-007 Stc	Stitches for the seam with stitch counting		254		0	10		A
F-008 -F-	Setting of pushbutton 3 with a parameter from the technician level 1 = Softstart ON/OFF 2 = Ornamental backtack ON/OFF 3 = Full stitch with pushbutton needle up/down ON/OFF 4 = Sewing start blocked with light barrier uncovered ON/OFF		4		1	2		A
F-009 LSI	Sensitivity adjustment of the transmitted light barrier		255		0	16		A
F-085 cFw	Number of stitches after triggering the bobbin thread monitor		2540		0	0		A
F-086 sFw	Stop after thread monitor counting ON/OFF					ON		A

TECHNICIAN LEVEL

Parameter	Designation	Unit	max		min	Preset		Ind. Prg. No.
			SEL1.	SEL2.		SEL1.	SEL2.	
<u>Group 0 Stitches/Countings</u>								
F-100 SSc	Softstart stitches		20		0	2		A
<u>Group 1 Speeds</u>								
F-110 n1	Positioning speed	RPM	390		70	150		A
F-111 n2-	Upper limit setting range n-max	RPM	9900		n2_	3000		A
F-112 n3	Initial backtacking speed	RPM	6000		200	1700		A
F-113 n4	Final backtacking speed	RPM	6000		200	1700		A
F-114 n5	Speed after light barrier sensing	RPM	6000		200	1700		A
F-115 n6	Softstart speed	RPM	1500		100	800		A
F-116 n7	Trimming speed	RPM	500		80	150 200		A
F-118 n12	Speed Modes see F-141 and F-142	RPM	6000		400	3000		A
F-119 nSt	Speed stage graduation 1 = linear 2 = slightly prograssive 3 = highly progressive		3		1	2		A

TECHNICIAN LEVEL

Parameter	Designation	Unit	max		min	Preset		Ind. Prg. No.
			SEL1.	SEL2.		SEL1.	SEL2.	
<u>Group 2 Speeds</u>								
F-121 n2_	Lower limit setting range n-max	RPM	n-		400	400		A
F-128 ASd	Start delay, when starting command is given by covering the light barrier (see F-129)	ms	2000		0	0		A
F-129 ALS	<p>Machine start by covering the light barrier without previously heeling the pedal back to the basic position</p> <p>Additional prerequisites:</p> <ul style="list-style-type: none"> - F-132 in position ON - Function light barrier sensing switched on at the control panel - Initiation of the <u>first</u> seam section "normal" (Pedal in basic position) - Light barrier covered - Pedal actuated forward) - Leaving the pedal in the position of the previous seam section <p>This function will be deactivated by heeling the pedal back to the basic position.</p>					OFF		A

TECHNICIAN LEVEL

Parameter	Designation	Unit	max		min		Preset		Ind. Prg. No.
			SEL1.	SEL2.			SEL1.	SEL2.	
<u>Group 3 Switching Functions</u>									
F-130 LSF	Light barrier filter for knitted fabrics						OFF		A
F-131 Lsd	Light barrier sensing "uncovered"						ON		A
F-132 LSS	Blocking of machine start, when light barrier "uncovered"						ON		A
F-133 LSE	Thread trimmer, when terminating the seam after light barrier sensing						ON		A
F-134 SSt	Softstart						ON		A
F-135 SrS	Ornamental backtack						OFF		A
F-136 FAr	Trimming stitch backward						OFF		A
F-139 nIS	Display of machine speed						ON		A
<u>Group 4 Switching Functions</u>									
F-140 Mht	Mode needle UP/DOWN 1 = Needle up 2 = Half stitch (needle up/down) 3 = Full stitch 4 = Function switched off		4		1		1	1	A

TECHNICIAN LEVEL

Parameter	Designation	Unit	max		min	Preset		Ind. Prg. No.
			SEL1.	SEL2.		SEL1.	SEL2.	
Group 4 <u>Switching Functions</u>								
F-141 SGr	<p>Speed status for one seam with stitch counting</p> <p>0 = speed controllable dependent upon pedal actuation up to the set maximum speed (F-111)</p> <p>1 = fixed speed (F-118) without influence by the pedal (Machine stop by heeling the pedal back to the basic position)</p> <p>2 = limited speed controllable dependent upon pedal actuation up to the set limit (F-118)</p> <p>3 = with fixed speed, can be interrupted by full heelback</p>		3			1		A
F-142 SFn	<p>Speed status for the free seam and for the seam with light barrier</p> <p>0 = speed controllable by pedal actuation up to the set maximum speed (F-111)</p> <p>1 = fixed speed (F-118) without influence by the pedal (Machine stop by heeling the pedal back to the basic position)</p> <p>2 = limited speed controllable by pedal actuation up to the set limit (F-118)</p> <p>3 = with fixed speed, can be interrupted by full heelback (only in connection with light barrier On, otherwise as mode 0)</p>		3			0		A

TECHNICIAN LEVEL

Parameter	Designation	Unit	max		min	Preset		Ind. Prg. No.
			SEL1.	SEL2.		SEL1.	SEL2.	
<u>Group 5 Time Functions</u>								
F-150 t8	Stitch correction of the double initial backtack (Prolongation of the operating time of the stitch regulator - not effective with ornamental backtack)	ms	500		0	0		A
F-151 t9	Stitch correction of the double final backtack (Prolongation of the operating time of the stitch regulator - not effective with ornamental backtack)	ms	500		0	0		A
F-153 brt	Braking power at machine standstill	ms	50		0	0		A
<u>Group 6 DC Motor</u>								
F-161 drE	Sense of rotation of the motor 0 = clockwise rotation 1 = anticlockwise rotation					1		A
<u>Group 7 Service Functions</u>								
F-170 Sr1	Setting of the reference position (Position 0) = Needle point at the height of the needle plate							A

TECHNICIAN LEVEL

Parameter	Designation	Unit	max		min	Preset		Ind. Prg. No.
			SEL1.	SEL2.		SEL1.	SEL2.	
<u>Group 7 Service Functions</u>								
F-171 Sr2	Adjustment of the needle positions 1 = lower needle position 1A = switch-off position 2 = switch-on position 2A = upper needle position The positions 3 and 3A are to be set to 000		510			76 126 456 506	A A A A	
F-172 Sr3	Display of the signal position 1 to 1A (LED next to pushbutton 1 lights up) or position 2 to 2A (LED next to pushbutton 2 lights up)							

TECHNICIAN LEVEL

Parameter	Designation	Unit	max		min	Preset		Ind. Prg. No.
			SEL1.	SEL2.		SEL1.	SEL2.	
<u>Group 7 Service Functions</u>								
F-173 Sr4	<p>Checking of the signal outputs</p> <p>Pushbutton 1 = Backtacking</p> <p>Pushbutton 2 = Presser foot lifting</p> <p>Pushbutton 3 = Thread trimmer</p> <p>Pushbutton 4 = Thread wiper</p> <p>Pushbutton 5 = FF signal</p> <p>Pushbutton 6 = LED-FF1 signal</p> <p>Pushbutton 7 = free</p> <p>Pushbutton 8 = free</p> <p>Pushbutton 9 = free</p> <p>By actuating the switches connected to the control the function of these switches is checked and displayed with "on/off".</p>							A
F-174	Mechanical adjustment of the light barrier							A
F-178	Language selection					dEU--USA ESP--Fra		A
F-179	Display of the program number with index (top line) and identification number (bottom line)							A

TECHNICIAN LEVEL

Parameter	Designation	Unit	max		Preset		Ind. Prg. No.
			SEL1.	SEL2.	SEL1.	SEL2.	
<u>Group 8 Functions for Specific Types</u>							
F-180 Ind	Number of increments of reversion		500	0	0		A
F-181 drd	Activation delay for reversion	ms	990	0	0		A
F-182 Frd	Reversion ON/OFF				ON		A
F-183 n9	Limited speed with FF function and speed limitation	ms	6000	200	3000		A
F-185 KEt	Chain stitch trimmer = ON Lock stitch trimmer = OFF				OFF		A
F-186 KFA	Time for chain stitch trimmer	ms	990	0	160		A
F-187 KFW	Time for chain stitch catcher	ms	990	0	100		A
F-188 dFW	Delay time for chain stitch catcher	ms	990	0	50		A
F-189 SEL	Machine select display Select 1 = without jumper Select 2 = with jumper						A

TECHNICIAN LEVEL

Parameter	Designation	Unit	max		min	Preset		Ind. Prg. No.
			SEL1.	SEL2.		SEL1.	SEL2.	
<u>Group 9 Functions for Specific Types</u>								
F-190 FFF	Flip-Flop mode 1-6		6		1	1		A
F-191 cF1	Stitches until FF1 signal OFF		254		0	10		A
F-192 cF2	Stitches until FF1 signal ON		254		0	0		A
F-193 cF3	Stitches until FF1 signal OFF		254		0	0		A
F-194 FFE	Automatic switching off of FF1 signal after thread trimming (only in mode 6)					ON		A
F-195 RFW	Bobbin thread monitor ON					OFF		A
F-197 FMB	Function Memory Box					OFF		A
F-198 FOC	Format Memory Card					OFF		A

SUPPLIER LEVEL

Parameter	Designation	Unit	max		min	Preset		Ind. Prg. No.
			SEL1.	SEL2.		SEL1.	SEL2.	
Group 0 Time Functions								
F-200 t1	Delay of speed release after the initial backtack	ms	500		50	100		A
F-201 t2	Activation delay of presser foot lifting with half heelback	ms	500		20	80		A
F-202 t3	Start delay after presser foot lifting	ms	500		10	80		A
F-203 t4	Time of full power of presser foot lifting	ms	600		0	240		A
F-204 t5	Holding current for presser foot lifting Stages 0...7 Stage 0 = 100% Stage 1 = 12,5% Stage 7 = 87,5%		7		0	3		A
F-205 t6	Thread wiper time	ms	500		0	120		A
F-206 t7	Delay end of thread wiping until presser foot lifting ON	ms	800		0	30		A
F-207 br1	Braking effect with speed jumps under 400 RPM		255		1	60		A
F-208 br2	Braking effect with speed jumps over 400 RPM		255		1	25		A
Group 1 Time Functions								
F-210 tSr	Stop time for commutation of the stitch regulator for ornamental backtack	ms	500		0	80		A

SUPPLIER LEVEL

Parameter	Designation	Unit	max		min	Preset		Ind. Prg. No.
			SEL1.	SEL2.		SEL1.	SEL2.	
<u>Group 2 Speeds</u>								
F-220 ALF	Accelerating power of the motor		25		1	6		A
<u>Group 3 Switching functions</u>								
F-231 Sn1	Execution of the first stitch in positioning speed after power ON					OFF		A

STATUS DISPLAYS

Display	Designation
InFo A1	<i>Pedal not in neutral position, when switching on</i>
InFo A3	<i>The position to which all other position values refer has not been stored (reference position missing)</i>
InFo A4	<i>Control panel cannot be clearly identified</i>
InFo F1	<i>Wrong code or function number</i>
InFo E1	<i>Position transmitter not connected or defective, mains voltage too low</i>
InFo E2	<i>Mains voltage too low or power off > on too short</i>
InFo E3	<i>Machine locks or does not reach the desired speed</i>
InFo E4	<i>Control disturbed by defective grounding or loose contact</i>
InFo H1	<i>Commutation transmitter cord or frequency converter disturbed</i>
InFo H2	<i>Processor disturbed</i>

For your notes:

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