Efka vario dc

CONTROL   DA82CV3232

PARAMETER LIST

No. 402105   english

OPERATOR LEVEL

Parameter	Designation	Unit	max	min	Preset	Ind. Prg. No.
F-000	Immediately forward to F-001					
F-001 Arr	Number of stitch condensing stitches at the start of the seam		254	0	5	A
F-002 Err	Number of stitch condensing stitches at the seam end (shortened stitches)		254	0	40	A
F-003 Erv	Number of stitch condensing stitches (normal stitch length)		254	0	1	B
F-004 LS	Light barrier compensating stitches		254	0	8	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	Number of stitches in 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 = High lift for walking foot, operation mode not stored/stored 3 = Full stitch with pushbutton needle up/down ON/OFF 4 = Sewing start blocked with light barrier uncovered ON/OFF		4	1	1	A
F-009 LSI	Sensitivity adjustment of the transmitted light barrier		255	0	16	A

TECHNICIAN LEVEL   **Code No. 1907**

Parameter	Designation	Unit	max	min	Preset	Ind. Prg. No.
Group 0 Stitches/Countings						
F-100 SSc	Number of softstart stitches		20	0	2	A
Group 1 Speeds						
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	Stitch condensing speed at the start	RPM	6000	200	3000	A
F-113 n4	Stitch condensing speed at the end	RPM	6000	200	3000	A
F-114 n5	Speed after light barrier sensing	RPM	6000	200	3000	A
F-115 n6	Softstart speed	RPM	1500	70	800	A
F-116 n7	Trimming speed	RPM	500	70	150	A
F-117 n10	High lift walking speed	RPM	2500	400	2000	A
F-118 n12	Automatic speed for stitch counting	RPM	6000	400	3000	A
F-119 nSt	Speed stage graduation 1 = linear 2 = slightly prograssive 3 = highly progressive		3	1	2	A

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Parameter	Designation	Unit	max	min	Preset	Ind. Prg. No.
Group 2						
F-121 n2_	Lower limit setting range n-max	RPM	n2⁻	400	400	A
F-128 ASd	Delay of automatic start by light barrier	ms	2000	0	0	A
F-129 ALS	Automatic start of the seam by light barrier (only in conjunction with F-132 = ON)	on/off			off	A
Group 3 Switching Functions						
F-130 LSF	Light barrier filter for knitted fabrics	on/off			off	A
F-131 LSd	Light barrier sensing "uncovered"	on/off			on	A
F-132 LSS	Blocking of machine start, when light barrier "uncovered"	on/off			on	A
F-133 LSE	Thread trimmer, when completing the seam after light barrier sensing	on/off			on	A
F-134 SSt	Softstart On/Off	on/off			on	A
F-136 FAr	Stitch condensing until stop at the seam end	on/off			off	A
F-138 hPr	High lift for walking foot off = operating mode not stored on = operating mode stored	on/off			off	A
F-139 nIS	Display of machine speed	on/off			on	A

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Parameter	Designation	Unit	max	min	Preset	Ind. Prg. No.
Group 4	**Switching Functions**					
F-140 Mht	Mode pushbutton needle up/down at standstill (during machine run the push-button has the function "inter-mediate backtack" 1 = Needle up 2 = Needle up/down 3 = Full stitch 4 = Function switched off		4	1	1	A
F-141 SGn	Speed status for the seam with stitch counting 0 = speed can be controlled by the pedal up to the set maximum speed (F-111) 1 = fixed speed (F-118) without influence by the pedal (machine stop by heeling the pedal back to the basic position) 2 = limited speed, can be controlled by the pedal up to the set limit (F-118) 3 = with fixed speed, can be interrupted by full heelback		3	0	1	A
F-142 SFn	Speed status for the free seam and for the seam with light barrier 0 = speed can be controlled by the pedal up to the set maximum speed (F-111) 1 = fixed speed (F-118) without influence by the pedal (machine stop by heeling the pedal back to the basic position) 2 = limited speed, can be controlled by the pedal up to the set limit (F-118) 3 = with fixed speed, can be interrupted by full heelback (only in conjunction with light barrier On)		3	0	0	A

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Parameter	Designation	Unit	max	min	Preset	Ind. Prg. No.
Group 5	**Time Functions**					
F-150	Immediately on to F-151					
F-151 t9	Stitch correction of the stitch condensing at the seam end	ms	500	0	0	A
F-152 thP	Run-out time of the high lift walking speed after switching off the high lift for walking foot	ms	500	80	100	A
F-153 brt	Braking power at machine standstill	ms	50	0	0	A
Group 6	**DC Motor**					
F-161 drE	Direction of rotation of the motor 0 = clockwise rotation 1 = counterclockwise rotation				1	A
Group 7	**Service Functions**					
F-170 Sr1	Setting the reference position (Position 0) = Needle point at the height of the needle plate					A

Parameter	Designation	Unit	Cl. 190 with thread trimmer	Cl. 170 with thread trimmer	Cl. 170 with chain cutter	
F-171 Sr2	Adjustment of the needle positions					
	1 = switch-on position (lower needle position)		50	214	214	A
	1A = switch-off position (lower needle position)		100	264	264	A
	2 = switch-on position (upper needle position)		214	384	214	A
	2A = switch-off position (upper needle position)		264	434	264	A
	The positions 3 and 3A are to be set at 000					

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Parameter	Designation	Unit	max	min	Preset	Ind. Prg. No.
Group 7 Service Functions						
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)					A
F-173 Sr4	Checking of the signal outputs Pushbutton 1 = Stitch condensing Pushbutton 2 = Presser foot lifting Pushbutton 3 = Output M1 Pushbutton 4 = Output M2 Pushbutton 5 = Flip-flop signal Pushbutton 6 = High lift for walking foot Pushbutton 7 = LED FF1 Pushbutton 8 = free Pushbutton 9 = free Pushbutton 0 = free By actuating the switches connected to the control the function of these switches is checked and displayed with "on/oFF".					A
F-174 Sr5	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

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Parameter	Designation	Unit	max	min	Preset	Ind. Prg. No.
Group 8	**Functions for Specific Types**					
F-180 lrd	Number of increments of reversion		500	0	0	A
F-181 drd	Delay time of reversion	ms	990	0	0	A
F-182 Frd	Reversion On/Off	on/off			off	A
F-183 ESu	Single stitch with stitch length reduction On/Off OFF = single stitch ON = partial stitch	on/off			off	A
F-184 chP	Run-out stitches high lift for walking foot		100	0	0	A
F-185 KEt	Chain stitch trimming modes Mode 0 = BR-190 with thread trimmer Mode 1 = BR-170 with thread trimmer Mode 2 = BR-170 with chain cutter Mode 3 = BR-170 with chain cutter		3	0	1	A
F-186 dFA	Activation delay for chain stitch trimmer (not effective if F-185 = 2)	ms	990	0	80	A
F-187 KFA	Activation time for chain stitch trimmer (not effective if F-185 = 2)	ms	990	0	80	A
F-188 dFw	Activation delay for chain stitch catcher (not effective if F-185 = 2 or 3)	ms	990	0	0	A
F-189 KFw	Activation time for chain stitch catcher (not effective if F-185 = 2 or 3	ms	990	0	400	A

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Parameter	Designation	Unit	max	min	Preset	Ind. Prg. No.
Group 9 **Functions for Specific Types**						
F-190 FFF	Flip-Flop mode 1...3 Use FF modes e.g. 1 = Puller program for functioning "chain at the seam end" 2 = Puller program for functioning "seam end with thread trimmer" 3 = Needle cooling / motor running		3	1	1	A
F-191 cF1	Stitches until FF1 signal OFF (not if F-190 = 3)		254	0	0	A
F-192 SFA	Stitches until chain cutter at the start of the seam (only if F-185 = 3)		254	0	10	A
F-193 MAb	Activation of chain cutter if F-185 = 3 1 = Chain cutter at the start of the seam and at the seam end On 2 = Chain cutter only at the start of the seam On 3 = Chain cutter only at the seam end On		3	1	1	A
F-194 ErS	Limitation of the last 2 stitches in end stitch condensing		6000	200	1200	A
F-197 FMb	Function Memory Box	on/off			off	A
F-198 Foc	Format Memory Card	on/off			off	A

SUPPLIER LEVEL   Code No 3112

Parameter	Designation	Unit	max	min	Preset	Ind. Prg. No.
Group 0 Time Functions						
F-200 t1	Delay of speed release after the initial stitch condensing	ms	500	50	50	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	0	80	A
F-203 t4	Time of full power of presser foot lifting	ms	600	0	240	A
F-204 t5	Holding power for presser foot lifting Stages 0, 1...7 Stage 0 = Pulsing OFF Stage 1 = 12,5% Stage 7 = 87,5%		7	0	3	A
F-206 t7	Delay end of thread wiper until presser foot lifting	ms	800	0	30	A
F-207 br1	Braking effect when modifying the set value ≤ 4 stages		255	1	25	A
F-208 br2	Braking effect when modifying the set value ≥ 5 stages		255	1	60	A
Group 1 Time Functions						
F-210 tzr	Start delay when connecting the stitch condensing if F-183 = on (partial stitch	ms	500	0	80	A
F-211 tFL	Activation delay of presser foot lifting when thread wiper is off	ms	500	0	80	A
F-212 t10	Full power of stitch condensing	ms	600	0	500	A

SUPPLIER LEVEL   Code No 3112

Parameter	Designation	Unit	max	min	Preset	Ind. Prg. No.
Group 1 Speeds						
F-213 t11	Holding power for the stitch condensing Stages 0...7 Stage 0 = Pulsing OFF Stage 1 = 12,5% Stage 7 = 87,5%		7	0	4	A
Group 2 Speeds						
F-220 ALF	Accelerating power of the motor		255	5	32	A
Group 3 Switching functions						
F-231 Sn1	Execution of the first stitch at positioning speed after power ON	on/off			off	A
Group 8						
F-280 Ft9	Interpretation of pushbutton 9 on the control panel F-280 = OFF Press button 1st time: thread trimmer + thread wiper OFF Press button 2nd time: thread trimmer ON + thread wiper OFF Press button 3rd time: thread trimmer + thread wiper ON (preset) F-280 = ON Press button 1st time: thread trimmer + thread wiper OFF Press button 2nd time: thread trimmer ON + thread wiper OFF Press button 3rd time: thread trimmer OFF + thread wiper ON Press button 4th time: thread trimmer + thread wiper ON (preset)	on/off			off	A

STATUS DISPLAYS

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

For your notes:

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