

EFKA vario dc

CONTROL

DA82CV3255

PARAMETER LIST

No. 402247 english

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OPERATOR LEVEL

Parameter	Designation	Unit	max	min	Preset	Ind. Prg. No.
F-000 Arv	Start backtacking stitches forward		254	0	3	A
F-001 Arr	Start backtacking stitches backward		254	0	3	A
F-002 Err	End backtacking stitches backward		254	0	3	A
F-003 Erv	End backtacking stitches forward		254	0	3	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 = Single 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 setting 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 bobbin thread monitor counting	ON/OFF			ON	A

Note:

At the operator level, the parameter number (F-xxx) is not shown on the display, but the abbreviation (e.g. ARV) and the actual value (e.g. 004 - for 4 stitches).

TECHNICIAN LEVEL

Code No. 1907

Parameter	Designation	Unit	max	min	Preset SEL1 SEL2	Ind. Prg. No.
Group 0 Stitches/Countings						
F-100 SSc	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 of the maximum speed	RPM	9900	n2_	3000	A
F-112 n3	Start backtacking speed	RPM	6000	200	1700	A
F-113 n4	End 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	150 180	A
F-118 n12	Automatic speed for stitch counting, for the free seam and for the seam with light barrier	RPM	6000	400	3000	A
F-119 nSt	Speed stage graduation 1 = linear 2 = slightly progressive 3 = highly progressive		3	1	2	A
Group 2 Speeds						
F-121 n2_	Lower limit setting range of the maximum speed	RPM	n2	400	400	A
F-128 ASd	Start delay, when start command is given by covering the light barrier (see parameter F-129)	ms	2000	0	0	A

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Parameter	Designation	Unit	max	min	Preset	Ind. Prg. No.
Group 2 Speeds						
F-129 ALS	Machine start by covering the light barrier (only in conjunction with parameter F-132 = ON) Additional prerequisites: - F-132 in position ON - Function light barrier sensing switched on on the control panel - Initiation of the first "normal" seam section (pedal in basic position, light barrier covered and pedal forward) - Leaving the pedal in the position of the previous seam section This function will be deactivated by heeling the pedal back to the basic position.	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	A
F-135 SrS	Ornamental backtack	ON/OFF			OFF	A
F-136 FAr	Trimming stitch backward	ON/OFF			OFF	A
F-139 nIS	Display of machine speed	ON/OFF			ON	A

TECHNICIAN LEVEL

Code No. 1907

Parameter	Designation	Unit	max	min	Preset	Ind. Prg. No.
Group 4 Switching Functions						
F-140 Mht	Mode needle up/down 1 = Needle up 2 = Half stitch (needle up/down) 3 = Single stitch 4 = Function switched off		4	1	1	A
F-141 SGn	Speed status for the seam with stitch counting 0 = speed pedal controlled up to the set maximum speed (F-111) 1 = fixed speed (F-118) not influenced by the pedal (machine stop by heeling the pedal back to the basic position) 2 = limited speed (F-118), pedal controlled up to the set limit 3 = with fixed speed (F-118), 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 pedal controlled up to the set maximum speed (F-111) 1 = fixed speed (F-118) not influenced by the pedal (machine stop by heeling the pedal back to the basic position) 2 = limited speed (F-118), pedal controlled up to the set limit 3 = with fixed speed (F-118), can be interrupted by full heelback (only in connection with light barrier On, otherwise as mode 0)		3	0	0	A

TECHNICIAN LEVEL

Code No. 1907

Parameter	Designation	Unit	max	min	Preset	Ind. Prg. No.
Group 5 Time Functions						
F-150 t8	Stitch correction of the double start backtack (prolongation of the stitch regulator operating time, not effective with ornamental backtack)	ms	500	0	0	A
F-151 t9	Stitch correction of the double end backtack (prolongation of the stitch regulator operating time, not effective with ornamental backtack)	ms	500	0	0	A
F-153 brt	Braking power at machine standstill		50	0	0	A
Group 6 D.C. Motor						
F-161 drE	Sense of rotation of the motor 0 = clockwise rotation 1 = counterclockwise rotation		1	0	1	A
Group 7 Service Functions						
F-170 Sr1	Setting the reference position (Position 0) = Needle point at the height of the needle plate, from downward movement of the needle in the direction of rotation of the motor shaft					A
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 at 000		510	0	60 126 438 506	A A A A
F-172 Sr3	Display of the signal pos. 1 to 1A (LED next to pushbutton 1 lights up) or pos. 2 to 2A (LED next to pushbutton 2 lights up)					A

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Parameter	Designation	Unit	max	min	Preset	Ind. Prg. No.
Group 7 Service Functions						
F-173 Sr4	Checking the signal outputs Pushbutton 1 = Backtacking Pushbutton 2 = Presser foot lifting Pushbutton 3 = Thread trimmer Pushbutton 4 = Thread wiper Pushbutton 5 = Flip-flop Pushbutton 6 = LED flip-flop Pushbutton 7 = free Pushbutton 8 = free Pushbutton 9 = free By actuating the switches connected to the control the function of these switches is checked and displayed with "on/oFF".					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
Group 8 Functions of Specific Types						
F-180 lrd	Number of reversion increments		500	0	80	A
F-181 drd	Delay time of reversion	ms	990	0	20	A
F-182 Frd	Reversion On/off	ON/OFF			OFF	A
F-183 n9	Limited speed with flip-flop function and speed limitation		6000	200	5000	A
F-185 KEt	ON = Chain stitch trimmer OFF = Lock stitch trimmer	ON/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

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Code No. 1907

Parameter	Designation	Unit	max	min	Preset	Ind. Prg. No.
Group 9 Switching Machine Systems						
F-190 FFF	Flip-Flop modes 1-7 Application of the flip-flop modes e.g. 1 = Basting stitch 2 = Fullness 1 3 = Needle cooling/machine running 4 = Stitch length 5 = Puller control 6 = Edge trimmer 7 = Fullness 2		7	1	1	A
F-191 cF1	Stitches until flip-flop 1 signal Off	ON/OFF	254	0	10	A
F-192 cF2	Stitches until flip-flop 1 signal On	ON/OFF	254	0	0	A
F-193 cF3	Stitches until flip-flop 1 signal Off	ON/OFF	254	0	0	A
F-194 FFE	Automatic switching off of flip-flop 1 signal after thread trimming (only in mode 2 or 6)	ON/OFF			ON	A
F-195 RFw	Bobbin thread monitor On/off	ON/OFF			OFF	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 start 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 switching off the presser foot lift signal	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, 1...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 when modifying the preset value ≤ 4 stages		255	1	25	A
F-208 br2	Braking effect when modifying the preset value ≥ 5 stages		255	1	60	A
Group 1 Time Functions						
F-210 tSr	Stop time for commutation of the stitch regulator in ornamental backtack	ms	500	0	80	A
F-211 tFL	Start delay of presser foot switched off thread wiper	ms	500	0	0	A
F-212 t10	Time of full power of backtacking	ms	600	0	500	A
F-213 t11	Holding power for backtacking Stages 0, 1...7 Stage 0 = 100% Stage 1 = 12,5% Stage 7 = 87,5%		7	0	4	A

SUPPLIER LEVEL

Code No. 3112

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



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