
UPGRADE OF DESCRIPTION 5.95001.02

TO SOFTWARE VERSION S04.31X

1. New Parameters:

P 176 * **Multiplier S-ramp generator time (P097)** Ramp/generator menu

This parameter chooses the range of the S-ramp generator's time constants (S-ramp generator P097).

Range: 0 ... 1

Input Value	Meaning
0	S-ramp generator time constant 0.01 s ... 6.50 s
1	S-ramp generator time constant 0.1 s ... 65.0 s

Default value: 0

P 177 * **Specified value multiplier after ramp function generator** Configuration menu

Daughterboard 3.9217 is needed to activate this parameter. Control is via terminal X7:22. The multiplier is switched on at 0 V at terminal X7:22, it is inactive at +24 V. The system only accepts a change to the voltage level at terminal X7:22 when the drive is locked and the machine is stationary.

Range: 0.20 ... 1.00

Default value: 1.00

2. Additional Setting Values for the Programmable Analog Input:

P084 * Programmable Analog InputX1:9

Configuration menu

In addition, P084 = 14 is possible.

Range: 0 ... 14

Value	Meaning
14 (S04.31 and above)	With P084 = 14 and a LOW level (0 V) at terminal X1:9, the system multiplies the specified value by the value set in parameter P149 after the ramp function generator . in the case of a voltage of +24 V at X1:9, the multiplier (P149) is inactive. The system only accepts a change to the voltage level at terminal X1:9 when the drive is locked and the machine is stationary. Equally, it is only possible to change the value of parameter P084 to 14 or to a different value from 14 when the drive is locked and the machine is stationary.

Default value: 0

3. Changing the Function of P147/P156:

If parameter P147 or P156 is activated, the system no longer monitors for mains **over**voltage. Error message P159 = 7 only shows mains **und**ervoltage (P147 = on or P156 ≠ 0.0 s).

4. Compensation of the Motor Potentiometer:

If parameter P147 or P156 is activated (P147 = on or P156 ≠ 0.0 s), the system compensates the value of the motor potentiometer to the speed actual value only in the case of a controller disable. In the case of a mains failure, the value of the motor potentiometer is retained, i.e. when the current is returned, the machine accelerates again to the originally set speed.

5. Measuring Cycles for Checking the Armature Feed Were Increased:

The measuring cycles for checking the armature feed on Main contactor ON (X1:22) were increased. This means that the maximum time delay on enabling of the drive via contact X1:22 can now be 2.00 s at a mains frequency of 50 Hz (see also page 135 of Description 5.95001.02).