



Status and failure output frequency converter FU6 U

Dear operator of the frequency converter FU6 U,

in the course of continually innovation and improvement the frequency converter FU6 U was equipped with a status and failure output. The software supports operators and service technicians in the analysis of operating status and sources of error.

Status display

If there is a status change the **green LED** on the side of the converter flashes/shines. The number of pulses after a longer break allows the assignation of the status according to following chart:

Status code	Meaning	Measure
LED off	Frequency converter without voltage supply	- Switch on main switch - Use adapter cable type FU06543 - Check supply cable (cable interrupted) - Check mains voltage (fuse)
LED flashing	Intermediate circuit is charged	- Wait
	Frequency converter waits for machine	- Connect machine - Check connectors of machine and converter for dirt and damages
	Service intervall exceeded	- Bring converter to service station
LED on	Frequency converter ready	- Converter can be used

Failure display

If a failure occurs the **red LED** on the side of the converter flashes/shines. The number of pulses after a longer break allows the assignation of the status according to following chart:

Status code	Meaning	Measure
LED on	Low voltage	- Increase wire cross section (extension cord) - Check supply cable (cable interrupted) - Use a generator with more power
1x pulse	Over temperature motor	- Increase water flow (cooling of motor or converter is too low; water temperature is too high) - Check hose connection <u>Never use waste water for cooling!</u>
2x pulse	Over temperature frequency converter	
4x pulse	Overload	- Reduce machine load (motor has been used in the overload range) - Check motor cable and plug connection for damages (short circuit)
5x pulse	Over current	- Reduce machine load (motor is operated in the overload range)
6x pulse	Encoding error	- Check plug contacts of machine and frequency converter for dirt and damages - Update frequency converter (encoding unknown)
7x pulse	Over current power modul	- Check motor cable and connectors for damages (short circuit)

Status display changes its status automatically. Fault signals will be deleted when the machine is restarted (if the cause of defect has been removed).