

Platform MX6

Software option S001

Hardware Watchdog

1 Identification

Identification	
Option ID	S001
Order number	S-05000202-0000
Short name	Hardware Watchdog
Brief description	With this software option it is possible to use the I/O watchdog as a hardware / system watchdog.
Revision ID document	V1.0

2 System requirements and restrictions

System requirements and restrictions	
Supported platforms and devices	Berghof PLC devices of the MX6 platform (e.g.: CCs, DCs). Additional information regarding availability and compatibility can be found in options section of the product catalog.
Firmware	MX6-PLC from version 1.22.0, CODESYS from 3.5 SP15 Patch 3
Additional requirements	<ul style="list-style-type: none">– Active I/O watchdog– Advice / application support from our support
Restrictions	<ul style="list-style-type: none">– Does not work wir MC-PRO

3 Product description

With this software option it is possible to use the I/O watchdog as a hardware / system watchdog.

The hardware / system watchdog is used to monitor the application-software and can reset the system in the event of an error.

This usually takes place as soon as the software no longer works as intended and no longer trigger the watchdog cyclically.

The application software is monitored by an independent hardware component that is separate from the CPU.

4 Quick Start Guide

The concept and implementation of a watchdog concept is closely linked to the programming of the control application. Therefore, the implementation of the hardware / system watchdog must always be adapted to the specific application. This is the only way to ensure that a previously fallen watchdog is correctly recognized by the application and that the application reacts to the corresponding situation correctly, e.g. by blocking the restart.

Therefore, please contact our support (support-controls@berghof.com) regarding the implementation and configuration of the hardware watchdog.

Your contact partner can be reached under:

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