



PCS 7 SOE 1msec Driver Block Sequence of Events

Product Description

Version 10/2007

Characteristics

PCS 7 SOE 1msec driver block allows the processing of events with a resolution of one millisecond in the process control system PCS 7.

Externally timestamped events are processed by the driver block in SIMATIC S7. The recorded sequence of events is sent to the SCADA system WinCC. The driver operates with the special input module SICAM DI32 and synchronisation module MCP. Up to 10 modules SICAM DI 32 can be handled in the central rack or extended rack (UR-rack) of one SIMATIC CPU.

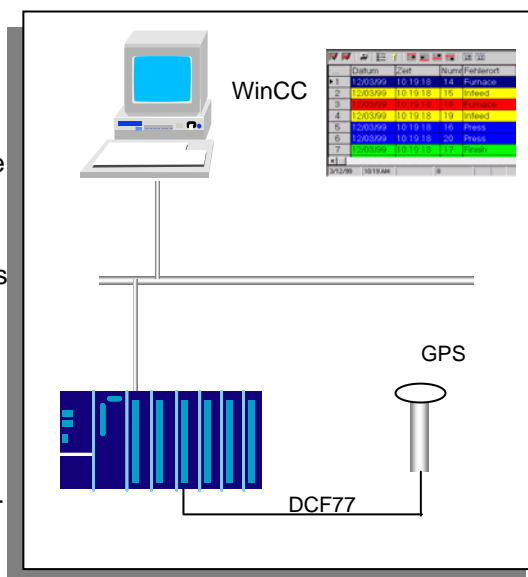
When the connection to WinCC is interrupted, the driver stores up to 2000 events in an internal buffer. An external buffer can be connected in order to store additional 1927 messages.

The user configuration is done with the engineering tool CFC (component of PCS 7)

Functions

Der SOE-driver includes:

- Single events
Every change of state of the process signals is recorded with a resolution of 1 msec and transferred to WinCC.



- Counter Values
The indication of up to 16 possible counter-values is realized

Software

System requirement:
PCS 7 V 5.2 / V 6
Tool SICAM+ for configuring the SICAM-hardware.
SICAM+ version must be compatible to version of Step 7

Hardware requirements

S7-CPU 41x

GPS/DCF 77 - Receiver

MCP-module for time synchronisation of SICAM DI32
6MD1010-0BA00
(variant „only time sync“)

SICAM DI32
Input module for the recording of SOE
6MD1021-0AA00 (24-60 V)
6MD1021-0BA00 (110-125 V)

Order Number SOE Driver

6AT4813-0CB05-0YA0
Runtime-Licence for one CPU

- Double messages
Defined states of 2 signals and intermediate states are indicated.
- Fleeting indications
Spurious pulses are detected and transferred to WinCC.
- Bit pattern 8/16/24/32 bit
User defined bit patterns of any device can be detected.
- Transformer tap
The indication of defined and undefined transformer tap position is supported.



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