

```

VAR
Pulse : BOOL; (* Time base pulse *)
NrOfLog : USINT; (* Number of log stored *)
i : INT; (* Auxiliary counter *)
LogRecord : ARRAY[ 0..32 ] OF BOOL; (* Log record *)
Fp : FILEP; (* File pointer *)
DateTime : SysETimeToDate; (* Date/Time conversion *)
END_VAR

```

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1 (* ***** *)
2 (* WRITE A VOLTAGE LOG *)
3 (* ***** *)
4 (* At every second a log with the voltage value is written on a file. Every *)
5 (* log record look as this "01;12;12;03;01.8;". *)
6 (* ----- *)
7
8 (* ----- *)
9 (* WRITE THE LOG *)
10 (* ----- *)
11 (* Check if a second is passed. *)
12
13 IF (SysClock1000 = Pulse) THEN RETURN; END_IF;
14 Pulse:=SysClock1000; (* Time base pulse *)
15
16 (* Open the file in "append" mode. *)
17
18 (* Fp:=Sysfopen('Storage/CLog.txt', 'a'); (* File pointer *)
19 Fp:=Sysfopen('SDCard/CLog.txt', 'a'); (* File pointer *)
20 IF (Fp = NULL) THEN RETURN; END_IF;
21
22 (* Initialize the log record. *)
23
24 i:=MemSet(ADR(LogRecord), 0, 32);
25 DateTime(EpochTime:=SysDateTime); (* Date time conversion *)
26
27 (* Please note that any value is written starting at the position of the *)
28 (* "0" string terminator of the previous value overwriting it. *)
29
30 i:=SysVarsnprintf(ADR(LogRecord), 4, '%02d;', USINT_TYPE, ADR(NrOfLog));
31 i:=SysVarsnprintf(ADR(LogRecord[3]), 4, '%02d;', USINT_TYPE, ADR(DateTime.Hour));
32 i:=SysVarsnprintf(ADR(LogRecord[6]), 4, '%02d;', USINT_TYPE, ADR(DateTime.Minute));
33 i:=SysVarsnprintf(ADR(LogRecord[9]), 4, '%02d;', USINT_TYPE, ADR(DateTime.Second));
34 i:=SysVarsnprintf(ADR(LogRecord[12]), 8, '%04.1f;$r$n', REAL_TYPE, ADR(Voltage));
35
36 (* Set the file pointer on right position. *)
37
38 i:=Sysfseek(Fp, TO_DINT(NrOfLog*19), ID_SEEK_SET);
39 NrOfLog:=NrOfLog+1; (* Number of log stored *)
40 IF (NrOfLog >= 50) THEN NrOfLog:=0; END_IF;
41
42 i:=Sysfwrite(ADR(LogRecord), 19, 1, Fp); (* Write to file *)
43 i:=Sysfclose(Fp); (* Close file *)
44
45 (* [End of file] *)
46
47

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Project : WriteLog

PROGRAM : WriteLog

Release :

Ver :1.00

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Note :

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