

OB1 - <offline>

" "

Name:
Autor:
Zeitstempel Code:
Interface:
Längen (Baustein / Code / Daten):

Familie:
Version: 0.1
Bausteinversion: 2
25.09.2008 11:38:47
06.01.2004 11:26:53
00514 00394 00034

Name	Datentyp	Adresse	Kommentar
TEMP		0.0	
OB1_EV_CLASS	Byte	0.0	Bits 0-3 = 1 (Coming event), Bits 4-7 = 1 (Event class 1)
OB1_SCAN_1	Byte	1.0	1 (Cold restart scan 1 of OB 1), 3 (Scan 2-n of OB 1)
OB1_PRIORITY	Byte	2.0	Priority of OB Execution
OB1_OB_NUMBR	Byte	3.0	1 (Organization block 1, OB1)
OB1_RESERVED_1	Byte	4.0	Reserved for system
OB1_RESERVED_2	Byte	5.0	Reserved for system
OB1_PREV_CYCLE	Int	6.0	Cycle time of previous OB1 scan (milliseconds)
OB1_MIN_CYCLE	Int	8.0	Minimum cycle time of OB1 (milliseconds)
OB1_MAX_CYCLE	Int	10.0	Maximum cycle time of OB1 (milliseconds)
OB1_DATE_TIME	Date_And_Time	12.0	Date and time OB1 started

Baustein: OB1 "Cyclic program"

Standardfunktionen

Netzwerk: 1 Read Gross value

Input byte 1 (4 byte) > MB 50 (4 byte)

```
CALL SFC 14          //Call SFC14
LADDR :=W#16#1        //Load data from hardware adress 1
RET_VAL:=MW100         //Write error
RECORD :=P#M 50.0 BYTE 4 //Save to MBX, 4 Byte
```

Netzwerk: 2 Read parametercontainer

Input byte 5 (4 byte) > MB 60 (4 byte)

```
CALL SFC 14          //Call SFC14
LADDR :=W#16#5        //Load data from hardware adress 5
RET_VAL:=MW101         //Write error
RECORD :=P#M 60.0 BYTE 4 //Save to MBX, 4 Byte
```

Netzwerk: 3 Write with parametercontainer

Output MB 70 (6 byte) to AB 1 (6 byte)

```
CALL SFC 15          //Call SFC15
LADDR :=W#16#1        //Write data to hardware adress 1
RECORD :=P#M 70.0 BYTE 6 //Load from MBX, 6 byte
RET_VAL:=MW102         //Write error
```

Netzwerk: 4 Read with SFB52, DPV1

Read data from DF30DP/DF31DP, diagnostic adress 1021 (3FD hex)

```
CALL "RDREC" , DB52          SFB52          -- Read a Process
                                Data Record
REQ := "Start SFB52"         //Start execution
ID :=DW#16#3FD               //Diagnostic adress digiclip, slot 0
INDEX :=5                    //Index 5 = read supplier ID
MLEN :=4                     //datalength
                                M15.1
```

VALID :=DB52.DBX10.0
BUSY :=DB52.DBX10.1
ERROR :=DB52.DBX10.2
STATUS:=DB52.DBD12
LEN :=DB52.DBW16
RECORD:=P#M 80.0 BYTE 4 //Write to MB80, 6 byte

BE