

(SFR054B100) Set the serial communication mode

```

VAR_INPUT
Fp : FILEP;
Baudrate : UDINT; (* Baudrate *)
Parity : STRING[ 1 ]; (* Parity type *)
DataBits : USINT; (* Nr of data bits *)
StopBits : USINT; (* Nr of stop bits *)
DTRManagement : USINT; (* DTR management type *)
DTRComplement : BOOL; (* Complement the DTR signal *)
EchoFlush : BOOL; (* Flush the echo *)
DTROnTime : UINT; (* DTR On wait time *)
DTROffTime : UINT; (* DTR Off wait time *)
END_VAR

VAR_OUTPUT
Done : BOOL; (* Execution done *)
Fault : BOOL; (* Execution fault *)
END_VAR

VAR
Mode : SYSSERIALMODE; (* Mode buffer *)
ABf : UINT; (* Auxiliary buffer *)
END_VAR

```

```

1 (* ***** *)
2 (* FUNCTION BLOCK "SetSMode" *)
3 (* ***** *)
4 (* Il blocco funzione esegue l'impostazione dei parametri di comunicazione *)
5 (* su porta seriale. *)
6 (* ----- *)
7 (* Eseguo reset bit one shot. *)
8
9     Done:=FALSE; (* Execution done *)
10    Fault:=FALSE; (* Execution fault *)
11
12 (* Eseguo lettura modo corrente. *)
13
14    IF NOT(SysGetSerialMode(ADR(Mode), Fp)) THEN
15        ABf:=SysSetLastError(10006010); (* Set error code *)
16        Fault:=TRUE; (* Execution fault *)
17        RETURN;
18    END_IF;
19
20 (* Eseguo set valori modo. *)
21
22    Mode.Baudrate:=Baudrate; (* Baudrate *)
23    Mode.Parity:=Parity; (* Parity type *)
24    Mode.DataBits:=DataBits; (* Nr of data bits *)
25    Mode.StopBits:=StopBits; (* Nr of stop bits *)
26    Mode.DTRManagement:=DTRManagement; (* DTR management type *)
27    Mode.DTRComplement:=DTRComplement; (* Complement the DTR signal *)
28    Mode.EchoFlush:=EchoFlush; (* Flush the echo *)
29    Mode.DTROnTime:=DTROnTime; (* DTR On wait time *)
30    Mode.DTROffTime:=DTROffTime; (* DTR Off wait time *)
31
32 (* Eseguo impostazione modo. *)
33

```

Project : Library sources

FUNCTION_BLOCK : SetSMode

Release : SFR054A900

Ver :0.0

Author :

Date:03/10/2012

Note :

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FUNCTION_BLOCK SetSMode

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34     IF NOT(SysSetSerialMode(ADR(Mode), Fp)) THEN
35         ABf:=SysSetLastError(10006020); (* Set error code *)
36         Fault:=TRUE; (* Execution fault *)
37         RETURN;
38     END_IF;
39
40 (* Eseguo uscita per fine esecuzione. *)
41
42     Done:=TRUE; (* Execution done *)
43
44 (* [End of file] *)
45
46

```

	Project : Library sources	
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