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;=====
; Profibus Device HARMS+WENDE
; Model : ANYBUS-S PDP
; Description : ANYBUS-S Profibus DP slave
; Language : English
; Date : 08 AUG 2016
; Author : Reimer Struve
;=====
#Profibus_DP

GSD_Revision      = 2

; Device identification
Vendor_Name       = "Harms+Wende"
Model_Name        = "SINIUS-02"
Revision          = "Version 3.0"
Ident_Number      = 0x0b76
Protocol_Ident    = 0           ; DP protocol
Station_Type      = 0           ; Slave device
FMS_supp          = 0           ; FMS not supported
Hardware_Release  = "Version 1.6"
Software_Release  = "Version 2.0"

; Supported baudrates
9.6_supp          = 1
19.2_supp         = 1
45.45_supp        = 1
93.75_supp        = 1
187.5_supp        = 1
500_supp          = 1
1.5M_supp         = 1
3M_supp           = 1
6M_supp           = 1
12M_supp          = 1

; Maximum responder time for supported baudrates
MaxTsdr_9.6       = 60
MaxTsdr_19.2      = 60
MaxTsdr_45.45     = 250
MaxTsdr_93.75     = 60
MaxTsdr_187.5     = 60
MaxTsdr_500       = 100
MaxTsdr_1.5M      = 150
MaxTsdr_3M        = 250
MaxTsdr_6M        = 450
MaxTsdr_12M       = 800

; Supported hardware features
Redundancy        = 0           ; not supported
Repeater_Ctrl_Sig = 2           ; TTL
24V_Pins          = 0           ; not connected
Implementation_Type = "SPC3"

; Supported DP features
Freeze_Mode_supp  = 1           ; supported
Sync_Mode_supp    = 1           ; supported
Auto_Baud_supp    = 1           ; supported
Set_Slave_Add_supp = 0         ; not supported

; Maximum polling frequency
Min_Slave_Intervall = 10        ; 100 us

; Maximum supported sizes
Modular_Station    = 1           ; modular

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Max_Module           = 23
Max_Input_Len       = 32
Max_Output_Len      = 32
Max_Data_Len        = 64
;Modul_Offset        = 1

Fail_Safe            = 0           ; Slave does not accept data frames with zero data
length in state CLEAR.

Slave_Family         = 0
Max_Diag_Data_Len   = 6

; Definition of modules
; EMPFANGEN
;***               input byte with consistence
Module = "32 byte input con (0x40,0x9F)" 0x40,0x9F
EndModule
;%RST 3.8.2016
Module = "I/O Daten:    1 Byte" 0x10
EndModule
;
Module = "I/O Daten1:   1 Byte" 0x10
EndModule
;
Module = "Ist (low/high):  2 Byte" 0x50
EndModule
;
Module = "Ust (low/high):  2 Byte" 0x50
EndModule
;
Module = "STDBID (STROBE):  1 Byte" 0x10
EndModule
;
Module = "CMDID (Steuerwort): 1 Byte" 0x10
EndModule
;
Module = "MODUL/CHANEL:    1 Byte" 0x10
EndModule
;
Module = "PRG NR/PRG SEG:   1 Byte" 0x10
EndModule
;
Module = "MIX Messwertadr:  2 Byte" 0x50
EndModule
;
Module = "DATEN:         8 Byte" 0x53
EndModule
;
Module = "DATEN1:        4 Byte" 0x51
EndModule
;
Module = "DATEN2:        8 Byte" 0x53
EndModule
;-----
--
; SENDEN
;***               output byte with consistence
Module = "32 byte output con (0x80,0x9F)" 0x80,0x9F
EndModule
;%RST 3.8.2016
Module = "O:I/O Daten:    1 Byte" 0x20
EndModule
;
Module = "O:I/O Daten1:   1 Byte" 0x20

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EndModule
;
Module = "O:Isoll (low/high): 2 Byte" 0x60
EndModule
;
Module = "O:STDBID (STROBE): 1 Byte" 0x20
EndModule
;
Module = "O:CMDID (Steuerwort): 1 Byte" 0x20
EndModule
;
Module = "O:MODUL/CHANEL: 1 Byte" 0x20
EndModule
;
Module = "O:PRG NR/PRGSEG: 1 Byte" 0x20
EndModule
;
Module = "O:MIX Messwerteadr: 2 Byte" 0x60
EndModule
;
Module = "O:DATEN: 8 Byte" 0x63
EndModule
;
Module = "O:DATEN1: 8 Byte" 0x63
EndModule
;
Module = "O:DATEN2: 6 Byte" 0x62
EndModule
```