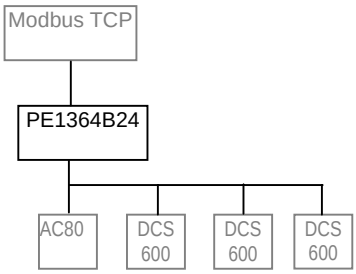
ModulBus(DDCS) – Modbus TCP converter PE1364B24

1. General



PE1364B24 is a protocol converter designed to read data traffic on DDCS communication and make the data available on ModBus TCP. PE1364B24 can listen to data to and from node 1-24.
PE1364B24 can also act as Slave 1-8 on the Modulbus (DDCS). This give possibility to transfer data from AC80/AC800 to Modbus TCP.
The unit is enclosed in a metal box with connection terminal for Power supply. Connector type 9 pins Dsub for Service port RS232 (Mudbus RTU 9600Baud).
The ModuleBus (DDCS) has optical fiber for transmit and received data.
Modbus TCP connection is made with RJ45 Ethernet connector.

2. Technical description

2.1 Dimension and mounting

PE1364B24 is mounted in a cubicle or in a separate enclosure together with 24V DC supply.
To obtain the best immunity to electric noise the PE1364B24 must be electrically connected to cubicle through 4 M5 screws in each corner.

Size:	196 x 170 mm (w x h)
Required mounting deep:	50mm
Mounting screws:	4 x M5
Mounting holes position:	176 x 160mm(w x h)

2.2 Technical data

Power supply	24V DC (12-30V DC)
Current consumption	170mA at 24V
Enclosure class	IP00
Operation	5..+40 °C., Storage -40..+70 °C.

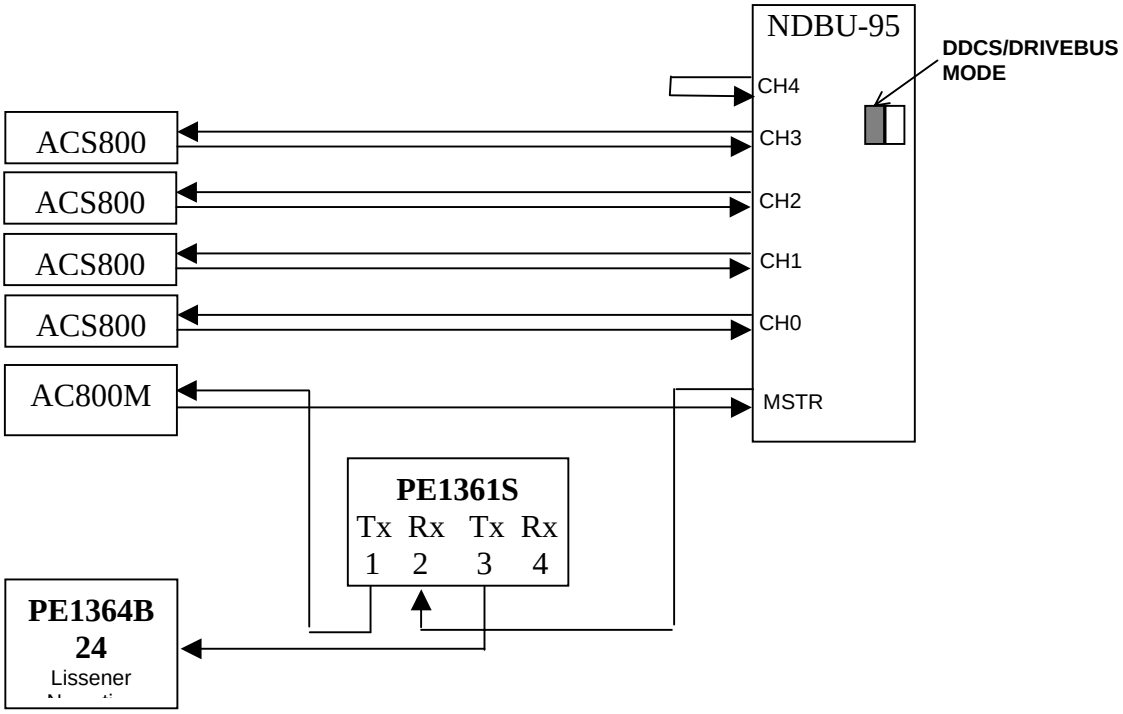
Communication to ABB AC80/AC800/AC4xx
PE1364B24 is connected in a ring with 1.0mm plastic fiber POF or 200μm Hard Clad Silica HCS fiber.
Opto fiber: Transmission speed 4Mbit
Max length : 200m of 200μmHCS (Use TB810) or 15m 1.0mm plastic (Use TB810 or TB811)

Communication to Modbus TCP
The AnyBus S ModbusTCP card is connected to Modbus TCP with RJ45 ethernet connector
ModbusTCP is activated when there is any communication on the ModuleBus(DDCS).
If there is no communication on ModuleBus then ModbusTCP will not answer.

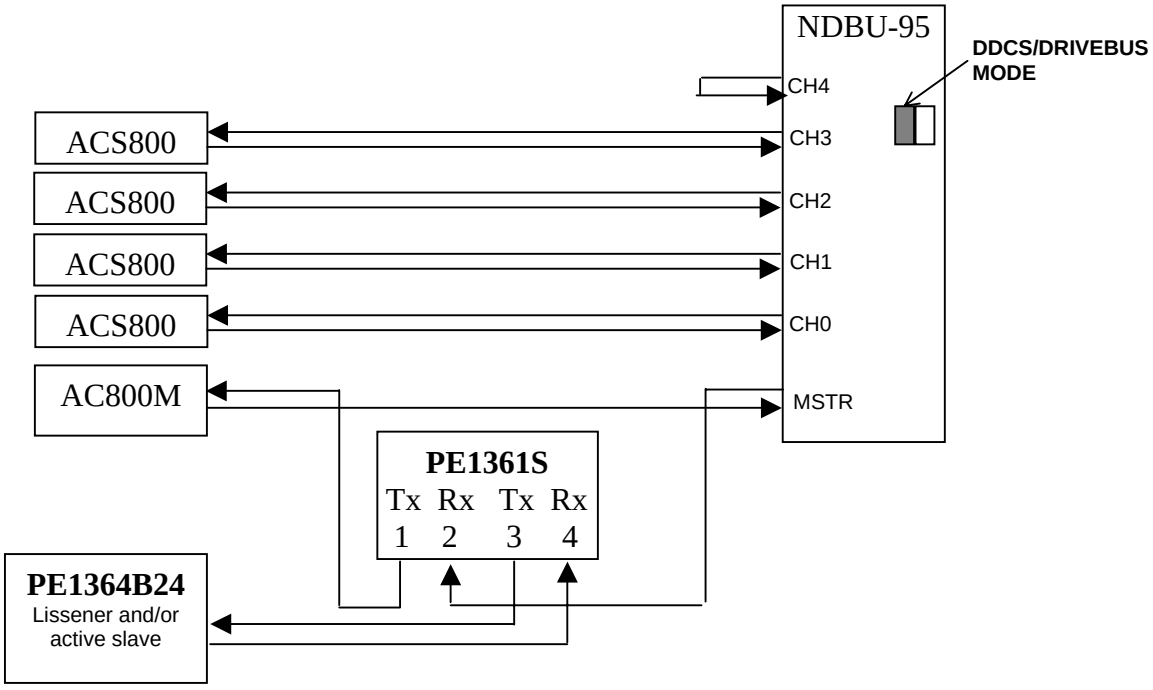
Modscan32 Program
Modscan32 program from WinTECH has ben used when testing the module.
Use Modbus Pointtype= 03: Holding register
Connect using Remote TCP/IP Server.
IP address default in module 192.168.1.20 (Change if needed)
Note! DDCS communication must have been running before any values can be read on ModbusTCP.

2.3 Connection examples

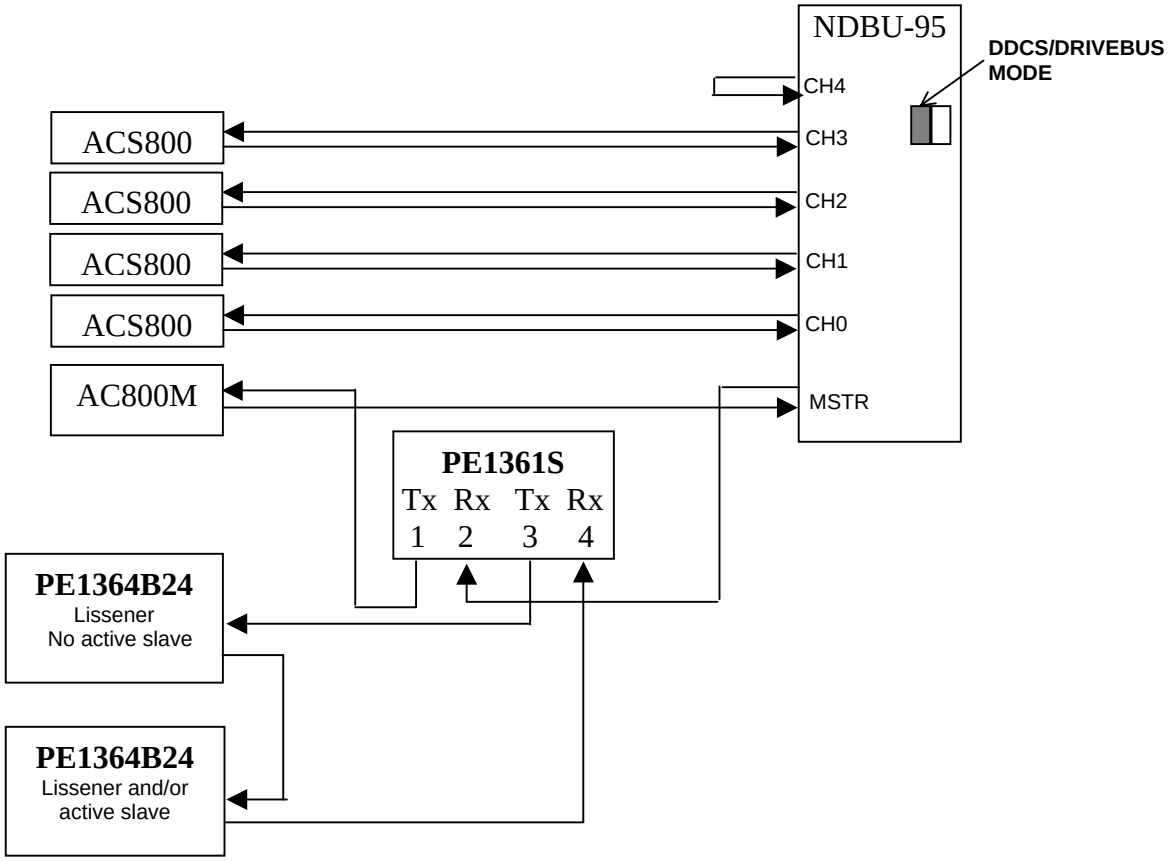
Ex1 is the recommended solution when PE1364B24 only act as a listener and not as an active slave.
A splitter PE1361S is connected in return fiber to AC800.
On one free channel on NDBU-95 a patch fiber is connected from Tx to Rx.
This patch make it possible for PE1364B24 to listen to AC800M transmit data.



Ex2 is the recommended solution when PE1364B24 act as a listener and as an active slave.
A splitter PE1361S is connected between PE1364B24 and the other units to enable disconnect of PE1364B24 without disturbing the bus.
On one free channel on NDBU-95 a patch fiber is connected from Tx to Rx.
This patch make it possible for PE1364B24 to listen to AC800M transmit data.



Ex3 is the recommended solution when 2 units PE1364B24 is used. One act as a listener and one act as Listener and active slave.
A splitter PE1361S is connected between PE1364B24 and the other units to enable disconnect of PE1364B24 without disturbing the bus.
On one free channel on NDBU-95 a patch fiber is connected from Tx to Rx.
This patch make it possible for PE1364B24 to listen to AC800M transmit data.



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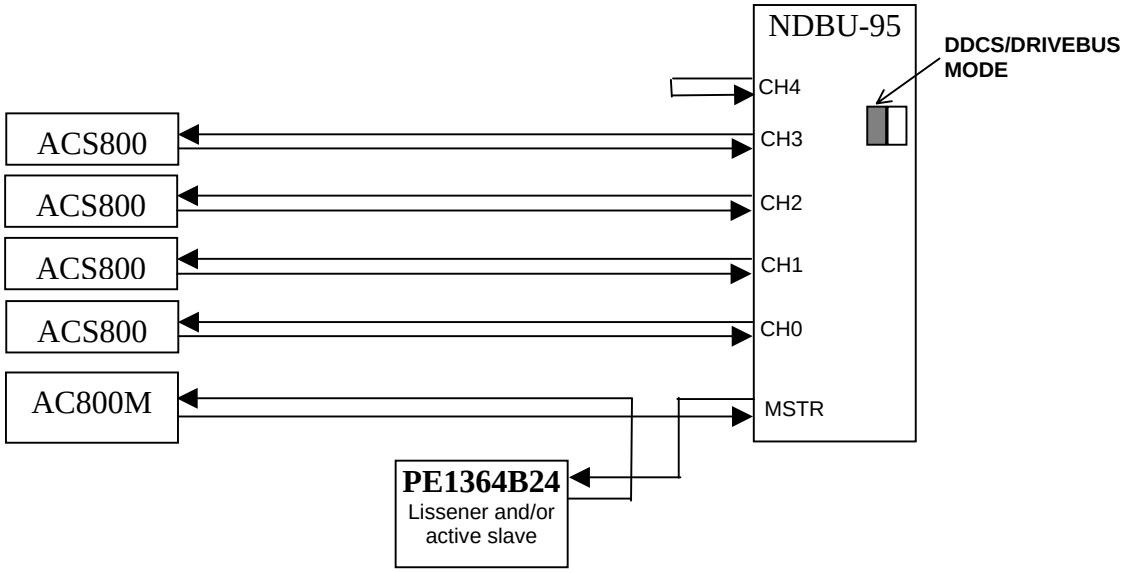
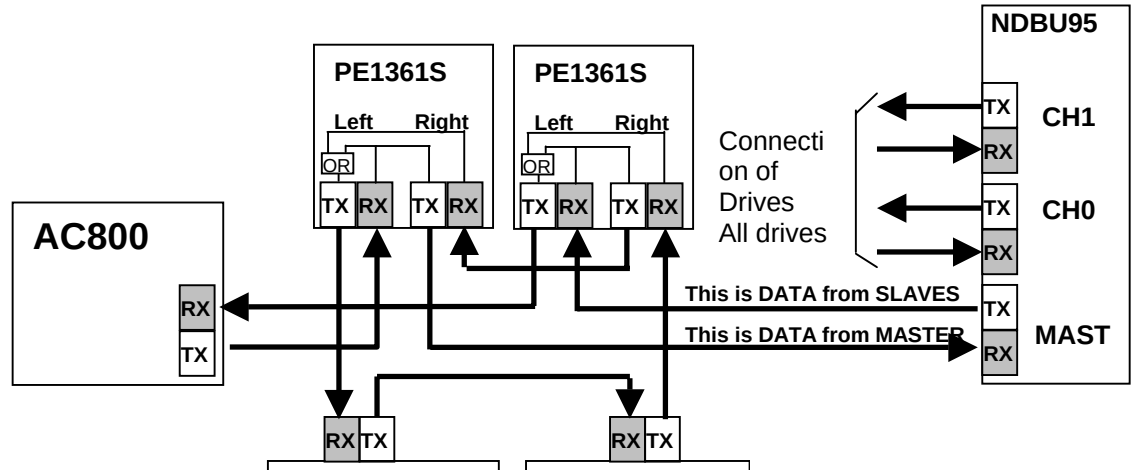
Ex4 In this example PE1364B24 is connected in return fiber from NDBU to AC800.
PE1364B24 can also be used as an active Slave.
PE1364B24 can not be disconnected without stopping the bus.



Ex5 In this example no channel on NDBU95 are needed for connection of PE1364B24.
With this connection PE1364B24 can be removed without disturbing other nodes.
No change in drive parameters are needed.



PE1364B24
Unit number 2
(Optional)This unit can not act as active slave.Must be set to RING mode

PE1364B24 (2)
No active slave
RING mode

PE1364B24 (1)
Can have active slave

PE1364B24
Unit number 1
This unit can act as active slave.Must be set to STAR mode

Status indications on PE1364B24 board

A red Led is indication Internal Program run error.
The communication status is indicated on a two-segment display, which will indicate the actual status and error.

Digit 1	Digit 2	Description
P	1-7	Initiation phases, (The Red Led is flashing during initiation.) 1=Waiting for AnyBus S card to startup 2=Soft Reset of AnyBys S card 3=Waiting for AnuBus S reset 4=Hardware check of AnyBus S card 5=StartInit Order to AnyBus S card 6=Initiation of Buffer size of AnyBus S card 9=End of initiation of AnyBus S card
L		Display of IP addr, Subnet mask and Gateway addr This sequence will be displayed at startup of PE1364B24
	0	Indication of first byte of Actual IP Hex code eg 192, Hex C0
	1	Indication of second byte of Actual IP Hex code eg 168, Hex A8
	2	Indication of third byte of Actual IP Hex code eg 1, Hex 01
	3	Indication of fourth byte of Actual IP Hex code eg 20, Hex 14
	4	Indication of first byte of Actual Subnet maskHex code eg 255, Hex FF
	5	Indication of second byte of Actual Subnet maskHex code eg 255, Hex FF
	6	Indication of third byte of Actual Subnet maskHex code eg 255, Hex FF
	7	Indication of forth byte of Actual Subnet maskHex code eg 0, Hex 00
	8	Indication of first byte of Actual Gateway addr Hex code eg 0 Hex 00
	9	Indication of second byte of Actual Gateway addr Hex code eg 0 Hex 00
	A	Indication of third byte of Actual Gateway addr Hex code eg 0 Hex 00
	B	Indication of fourth byte of Actual Gateway addr Hex code eg 0 Hex 00
X	0	X is DDCS communication status X=0 No DDCS communication X=1 Data from DDCS Master received X=2 Data from DDCS slave received X=3 Data from both DDCS slave and master received
Y	Z	11-13 Error at hardware reset 21-23 Error at Hardware test 31-33 Error at Start Init of AnyBus S 41-43 Error at Any Init of Input/output mapping 51-53 Error at Net configuration 71-73 Error at AnyBus end of Initiation 81-83 Error when Save to Flash memory 84-86 Error when read from Flash memory 91-93 Error when writing to extern memory

2.4 Performance and internal delay

Max PE1363B24 can listen to max 24 slaves and max 7 datasets to/from each slave.
The internal delay is depending DDCS bus load and number of Slaves connected on the bus.
This example has 10 ms cycle time on communication elements and 7 Datasets in each slave.

Number of Slaves	Delaytime in ms
1	3 ms Internal delay when moving data from DDCS to ModbusTCP
4	7 ms Internal delay when moving data from DDCS to ModbusTCP
8	35 ms Internal delay when moving data from DDCS to ModbusTCP

2.5 Dip switch setup

S1	Normal	FUNCTION
1	Off	Active node number 1-8
2	Off	Active node number 1-8
3	Off	Active node number 1-8
4	Off	Active node number 1-8
5	On	OFF=Enable Synch signal RS232, ON= Enable Service program
6		
7	Off	On=Swapping high and low byte data
8	-	Off=Ring, On=Star (NDBU-85)

S2	Normal	FUNCTION
1	On	Opto Transmitter Intensity 1 0=low,3=high
2	Off	Opto Transmitter Intensity 2 0=low,3=high
3	Off	ON =Setting of IP address
4	Off	CHANGE=Step to next IP setting
5	Off	
6	Off	Slave Offset (8): Possible offset 0,8,16,24,32,40,48 or 56.
7	Off	Slave Offset:(16) Ex. Offset 8. then Set S2.6 to ON and S2.7-8 to OFF
8	Off	Slave Offset: (32)

2.5.1 Slave Offset

PE1364B24 can max listen to 24 Slaves. With Slave offset setting it is possible to select the first address for listening. Messages to and from slave with lower address than Offset are ignored.

2.5.2 Active node

PE1364B24 can act as up to 8 active slaves on DDCS. It is always node (Slave offset) + (1-8) that is selected as active.
S1.1 =on then PE1364B24 is responding on DDCS Addr. (Slave offset) + 1
S1.2 =on then PE1364B24 is responding on DDCS Addr. (Slave offset) + 1 and 2
If S1.1 and S1.2 is on then PE1364B24 is responding on DDCS Addr. 1,2 and 3
If S1.4 is on then PE1364B24 is responding on DDCS Addr. (Slave offset) + 1,2,3,4,5,6,7 and 8
all other nodes are in listening mode.

2.5.3 Swapping high and low data byte

With this DIP ON the Integer data word high byte is swapped with the low byte before reading and writing to ModBus TCP side.

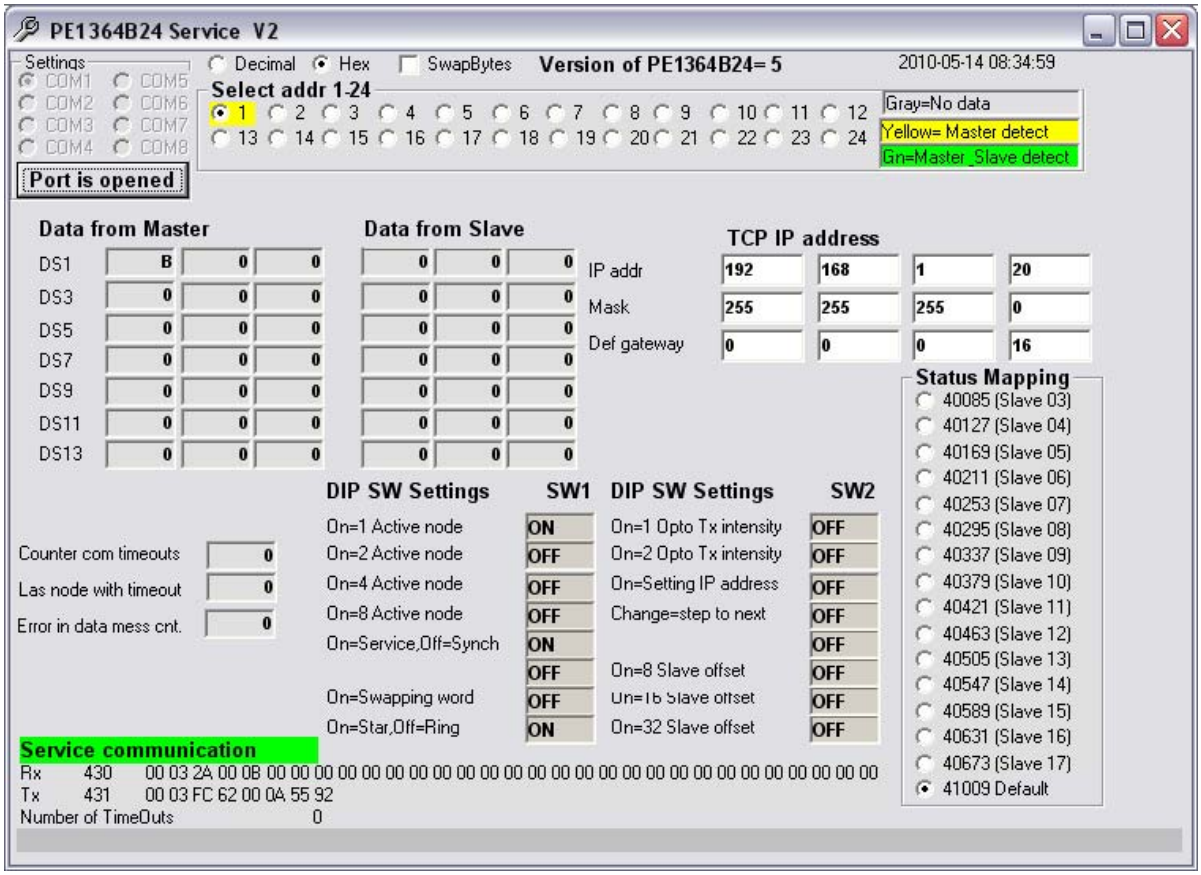
2.5.4 Opto transmitter intensity

Transmitter can have 4 levels of intensity. Set Both S2.1 and S2.2 to off for minimum intensity.
S2.1 & S2.2 Off Lowest Intensity level 0
S2.1 On Intensity level 1
S2.2 On Intensity level 2
S2.1 & S2.2 On Higest Intensity level 3

2.6 Setting of IP address

Setting IP address and Status signal mapping from Service program on a PC

SW1.5 must be set to ON to enable the service communication. Connect a Straight RS232 cable from PC to PE1364B24 service connector DSUB 9 pole.
Start PE1364B24_Service program and select COM port number. Click on button “Port is Closed”. Now actual IP settings and actual Status signal mapping are shown and possible to change. After change click on “Set IP Config”
Status signal mapping can be changed to different locations.
Cange only if you are sure that the Slave are not in use which you can see on the Gray Indication (No data)on the Actual Slave addr.
If Mapping is selected to occupied Slave data then selection will turn into Red color



Setting IP address with DIP switches and save to Flash memory

This procedure will temporary use DIPswitches S1 for IP address setting. The SW1 DIP must be set to original value when this procedure is ready.
The default setting for this mode is IP addr 192.168.1.20 Subnet mask 255.255.255.0 Gateway address 0.0.0.0
It is total 12 settings that can be done.
At any time S2.3 can be set to off for saving the inputted values. The default values are used for the steps remaining. This is useful if the Subnet mask and Gateway addr are same as defaults.
Dip SW binary value: SW1.1=on is Binary 1, SW1.2=On Binary 10, Sw1.8=Binary 10000000
Note that ModuleBus (DDCS) must be connected to make Modbus TCP active.

1. Set SW2.3 to ON and restart PE1364B24.
2. Wait until text L0 is displayed on the 2 character LED
3. Set DIP SW1 to first byte in IP address e.g. 192 (Bin 11000000, Hex C0)
4. Set SW2.4 to ON
5. Now text L1 is displayed on 2 character LED.
6. Set DIP SW1 to second byte in IP address e.g. 168 (Bin 10101000, Hex A8)
7. Set SW2.4 to Off
8. Now text L2 is displayed on 2 character LED.
9. Set DIP SW1 to third byte in IP address e.g. 1 (Bin 00000001, Hex 01)
10. Set SW2.4 to ON
11. Now text L3 is displayed on 2 character LED.
12. Set DIP SW1 to fourth byte in IP address e.g. 20 (Bin 00010100, Hex 14)
13. Set SW2.4 to Off
14. Now text L4 is displayed on 2 character LED.
15. Set DIP SW1 to first byte in Subnet mask address e.g. 255 (Bin 11111111, Hex FF)
16. Set SW2.4 to ON
17. Now text L5 is displayed on 2 character LED.
18. Set DIP SW1 to second byte in Subnet mask address e.g. 255 (Bin 11111111, Hex FF)
19. Set SW2.4 to Off
20. Now text L6 is displayed on 2 character LED.
21. Set DIP SW1 to third byte in Subnet mask address e.g. 255 (Bin 11111111, Hex FF)
22. Set SW2.4 to ON
23. Now text L7 is displayed on 2 character LED.
24. Set DIP SW1 to fourth byte in IP address e.g. 0 (Bin 00000000, Hex 00)
25. Set SW2.4 to Off
26. Now text L8 is displayed on 2 character LED.
27. Set DIP SW1 to first byte in Gateway address e.g. 0 (Bin 00000000, Hex 00)
28. Set SW2.4 to ON
29. Now text L9 is displayed on 2 character LED.
30. Set DIP SW1 to second byte in Gateway address e.g. 0 (Bin 00000000, Hex 00)
31. Set SW2.4 to Off
32. Now text LA is displayed on 2 character LED.
33. Set DIP SW1 to third byte in Gateway address e.g. 0 (Bin 00000000, Hex 00)
34. Set SW2.4 to ON
35. Now text Lb is displayed on 2 character LED.
36. Set DIP SW1 to fourth byte in Gateway address e.g. 0 (Bin 00000000, Hex 00)
37. Set SW2.4 to Off
38. Now text LC is displayed on 2 character LED
39. Set both SW2.3 and SW2.4 to Off

2.7 Signal mapping when Reading data traffic on DDCS bus

AC80 dataset number can start with 10 or 1. PE1364B24 detect automatic the selected DS numbers.
Note! Before Modbus TCP can get values the DDCS communication must be running.

DDCS Node 1 Signal list ModuleBus – Modbus TCP

AC80 Data	AC80 Data	Value	Logged data to ModbusTCP	Modbus TCP data
First DS=1	First DS =10		→	
DS1.I1	DS10.I1	-32768..32767	Data from SLAVE to AC80	Word addr 40001
DS1.I2	DS10.I2	-32768..32767		Word addr 40002
DS1.I3	DS10.I3	-32768..32767		Word addr 40003
DS3.I1	DS12.I1	-32768..32767		Word addr 40004
DS3.I2	DS12.I2	-32768..32767		Word addr 40005
DS3.I3	DS12.I3	-32768..32767		Word addr 40006
DS5.I1	DS14.I1	-32768..32767		Word addr 40007
DS5.I2	DS14.I2	-32768..32767		Word addr 40008
DS5.I3	DS14.I3	-32768..32767		Word addr 40009
DS7.I1	DS16.I1	-32768..32767		Word addr 40010
DS7.I2	DS16.I2	-32768..32767		Word addr 40011
DS7.I3	DS16.I3	-32768..32767		Word addr 40012
DS9.I1	DS18.I1	-32768..32767		Word addr 40013
DS9.I2	DS18.I2	-32768..32767		Word addr 40014
DS9.I3	DS18.I3	-32768..32767		Word addr 40015
DS11.I1	DS20.I1	-32768..32767		Word addr 40016
DS11.I2	DS20.I2	-32768..32767		Word addr 40017
DS11.I3	DS20.I3	-32768..32767		Word addr 40018
DS13.I1	DS22.I1	-32768..32767		Word addr 40019
DS13.I2	DS22.I2	-32768..32767		Word addr 40020
DS13.I3	DS22.I3	-32768..32767		Word addr 40021
DS1.O1	DS10.O1	-32768..32767	Data from AC80 to SLAVE	Word addr 40022
DS1.O2	DS10.O2	-32768..32767		Word addr 40023
DS1.O3	DS10.O3	-32768..32767		Word addr 40024
DS3.O1	DS12.O1	-32768..32767		Word addr 40025
DS3.O2	DS12.O2	-32768..32767		Word addr 40026
DS3.O3	DS12.O3	-32768..32767		Word addr 40027
DS5.O1	DS14.O1	-32768..32767		Word addr 40028
DS5.O2	DS14.O2	-32768..32767		Word addr 40029
DS5.O3	DS14.O3	-32768..32767		Word addr 40030
DS7.O1	DS16.O1	-32768..32767		Word addr 40031
DS7.O2	DS16.O2	-32768..32767		Word addr 40032
DS7.O3	DS16.O3	-32768..32767		Word addr 40033
DS9.O1	DS18.O1	-32768..32767		Word addr 40034
DS9.O2	DS18.O2	-32768..32767		Word addr 40035
DS9.O3	DS18.O3	-32768..32767		Word addr 40036
DS11.O1	DS20.O1	-32768..32767		Word addr 40037
DS11.O2	DS20.O2	-32768..32767		Word addr 40038
DS11.O3	DS20.O3	-32768..32767		Word addr 40039
DS13.O1	DS22.O1	-32768..32767		Word addr 40040
DS13.O2	DS22.O2	-32768..32767		Word addr 40041
DS13.O3	DS22.O3	-32768..32767		Word addr 40042

DDCS Node 2 Signal list ModuleBus – Modbus TCP

AC80 Data	AC80 Data	Value	Logged data to ModbusTCP	Modbus TCP data
First DS=1	First DS =10		→	
DS1.I1	DS10.I1	-32768..32767	Data from SLAVE to AC80	Word addr 40043
DS1.I2	DS10.I2	-32768..32767		Word addr 40044
DS1.I3	DS10.I3	-32768..32767		Word addr 40045
DS3.I1	DS12.I1	-32768..32767		Word addr 40046
DS3.I2	DS12.I2	-32768..32767		Word addr 40047
DS3.I3	DS12.I3	-32768..32767		Word addr 40048
DS5.I1	DS14.I1	-32768..32767		Word addr 40049
DS5.I2	DS14.I2	-32768..32767		Word addr 40050
DS5.I3	DS14.I3	-32768..32767		Word addr 40051
DS7.I1	DS16.I1	-32768..32767		Word addr 40052
DS7.I2	DS16.I2	-32768..32767		Word addr 40053
DS7.I3	DS16.I3	-32768..32767		Word addr 40054
DS9.I1	DS18.I1	-32768..32767		Word addr 40055
DS9.I2	DS18.I2	-32768..32767		Word addr 40056
DS9.I3	DS18.I3	-32768..32767		Word addr 40057
DS11.I1	DS20.I1	-32768..32767		Word addr 40058
DS11.I2	DS20.I2	-32768..32767		Word addr 40059
DS11.I3	DS20.I3	-32768..32767		Word addr 40060
DS13.I1	DS22.I1	-32768..32767		Word addr 40061
DS13.I2	DS22.I2	-32768..32767		Word addr 40062
DS13.I3	DS22.I3	-32768..32767		Word addr 40063
DS1.O1	DS10.O1	-32768..32767	Data from AC80 to SLAVE	Word addr 40064
DS1.O2	DS10.O2	-32768..32767		Word addr 40065
DS1.O3	DS10.O3	-32768..32767		Word addr 40066
DS3.O1	DS12.O1	-32768..32767		Word addr 40067
DS3.O2	DS12.O2	-32768..32767		Word addr 40068
DS3.O3	DS12.O3	-32768..32767		Word addr 40069
DS5.O1	DS14.O1	-32768..32767		Word addr 40070
DS5.O2	DS14.O2	-32768..32767		Word addr 40071
DS5.O3	DS14.O3	-32768..32767		Word addr 40072
DS7.O1	DS16.O1	-32768..32767		Word addr 40073
DS7.O2	DS16.O2	-32768..32767		Word addr 40074
DS7.O3	DS16.O3	-32768..32767		Word addr 40075
DS9.O1	DS18.O1	-32768..32767		Word addr 40076
DS9.O2	DS18.O2	-32768..32767		Word addr 40077
DS9.O3	DS18.O3	-32768..32767		Word addr 40078
DS11.O1	DS20.O1	-32768..32767		Word addr 40079
DS11.O2	DS20.O2	-32768..32767		Word addr 40080
DS11.O3	DS20.O3	-32768..32767		Word addr 40081
DS13.O1	DS22.O1	-32768..32767		Word addr 40082
DS13.O2	DS22.O2	-32768..32767		Word addr 40083
DS13.O3	DS22.O3	-32768..32767		Word addr 40084

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DDCS Node 3 Signal list ModuleBus – Modbus TCP

AC80 Data	AC80 Data	Value	Logged data to ModbusTCP	Modbus TCP data
First DS=1	**First DS =10**		⟶	
DS1.I1	DS10.I1	-32768..32767	Data from SLAVE to AC80	Word addr 40085
DS1.I2	DS10.I2	-32768..32767		Word addr 40086
DS1.I3	DS10.I3	-32768..32767		Word addr 40087
DS3.I1	DS12.I1	-32768..32767		Word addr 40088
DS3.I2	DS12.I2	-32768..32767		Word addr 40089
DS3.I3	DS12.I3	-32768..32767		Word addr 40090
DS5.I1	DS14.I1	-32768..32767		Word addr 40091
DS5.I2	DS14.I2	-32768..32767		Word addr 40092
DS5.I3	DS14.I3	-32768..32767		Word addr 40093
DS7.I1	DS16.I1	-32768..32767		Word addr 40094
DS7.I2	DS16.I2	-32768..32767		Word addr 40095
DS7.I3	DS16.I3	-32768..32767		Word addr 40096
DS9.I1	DS18.I1	-32768..32767		Word addr 40097
DS9.I2	DS18.I2	-32768..32767		Word addr 40098
DS9.I3	DS18.I3	-32768..32767		Word addr 40099
DS11.I1	DS20.I1	-32768..32767		Word addr 40100
DS11.I2	DS20.I2	-32768..32767		Word addr 40101
DS11.I3	DS20.I3	-32768..32767		Word addr 40102
DS13.I1	DS22.I1	-32768..32767		Word addr 40103
DS13.I2	DS22.I2	-32768..32767		Word addr 40104
DS13.I3	DS22.I3	-32768..32767		Word addr 40105
DS1.O1	DS10.O1	-32768..32767	Data from AC80 to SLAVE	Word addr 40106
DS1.O2	DS10.O2	-32768..32767		Word addr 40107
DS1.O3	DS10.O3	-32768..32767		Word addr 40108
DS3.O1	DS12.O1	-32768..32767		Word addr 40109
DS3.O2	DS12.O2	-32768..32767		Word addr 40110
DS3.O3	DS12.O3	-32768..32767		Word addr 40111
DS5.O1	DS14.O1	-32768..32767		Word addr 40112
DS5.O2	DS14.O2	-32768..32767		Word addr 40113
DS5.O3	DS14.O3	-32768..32767		Word addr 40114
DS7.O1	DS16.O1	-32768..32767		Word addr 40115
DS7.O2	DS16.O2	-32768..32767		Word addr 40116
DS7.O3	DS16.O3	-32768..32767		Word addr 40117
DS9.O1	DS18.O1	-32768..32767		Word addr 40118
DS9.O2	DS18.O2	-32768..32767		Word addr 40119
DS9.O3	DS18.O3	-32768..32767		Word addr 40120
DS11.O1	DS20.O1	-32768..32767		Word addr 40121
DS11.O2	DS20.O2	-32768..32767		Word addr 40122
DS11.O3	DS20.O3	-32768..32767		Word addr 40123
DS13.O1	DS22.O1	-32768..32767		Word addr 40124
DS13.O2	DS22.O2	-32768..32767		Word addr 40125
DS13.O3	DS22.O3	-32768..32767		Word addr 40126

ModulBus(DDCS) – Modbus TCP converter PE1364B24

DDCS Node 4 Signal list ModuleBus – Modbus TCP

AC80 Data	AC80 Data	Value	Logged data to ModbusTCP	Modbus TCP data
First DS=1	**First DS =10**		⟶	
DS1.I1	DS10.I1	-32768..32767	Data from SLAVE to AC80	Word addr 40127
DS1.I2	DS10.I2	-32768..32767		Word addr 40128
DS1.I3	DS10.I3	-32768..32767		Word addr 40129
DS3.I1	DS12.I1	-32768..32767		Word addr 40130
DS3.I2	DS12.I2	-32768..32767		Word addr 40131
DS3.I3	DS12.I3	-32768..32767		Word addr 40132
DS5.I1	DS14.I1	-32768..32767		Word addr 40133
DS5.I2	DS14.I2	-32768..32767		Word addr 40134
DS5.I3	DS14.I3	-32768..32767		Word addr 40135
DS7.I1	DS16.I1	-32768..32767		Word addr 40136
DS7.I2	DS16.I2	-32768..32767		Word addr 40137
DS7.I3	DS16.I3	-32768..32767		Word addr 40138
DS9.I1	DS18.I1	-32768..32767		Word addr 40139
DS9.I2	DS18.I2	-32768..32767		Word addr 40140
DS9.I3	DS18.I3	-32768..32767		Word addr 40141
DS11.I1	DS20.I1	-32768..32767		Word addr 40142
DS11.I2	DS20.I2	-32768..32767		Word addr 40143
DS11.I3	DS20.I3	-32768..32767		Word addr 40144
DS13.I1	DS22.I1	-32768..32767		Word addr 40145
DS13.I2	DS22.I2	-32768..32767		Word addr 40146
DS13.I3	DS22.I3	-32768..32767		Word addr 40147
DS1.O1	DS10.O1	-32768..32767	Data from AC80 to SLAVE	Word addr 40148
DS1.O2	DS10.O2	-32768..32767		Word addr 40149
DS1.O3	DS10.O3	-32768..32767		Word addr 40150
DS3.O1	DS12.O1	-32768..32767		Word addr 40151
DS3.O2	DS12.O2	-32768..32767		Word addr 40152
DS3.O3	DS12.O3	-32768..32767		Word addr 40153
DS5.O1	DS14.O1	-32768..32767		Word addr 40154
DS5.O2	DS14.O2	-32768..32767		Word addr 40155
DS5.O3	DS14.O3	-32768..32767		Word addr 40156
DS7.O1	DS16.O1	-32768..32767		Word addr 40157
DS7.O2	DS16.O2	-32768..32767		Word addr 40158
DS7.O3	DS16.O3	-32768..32767		Word addr 40159
DS9.O1	DS18.O1	-32768..32767		Word addr 40160
DS9.O2	DS18.O2	-32768..32767		Word addr 40161
DS9.O3	DS18.O3	-32768..32767		Word addr 40162
DS11.O1	DS20.O1	-32768..32767		Word addr 40163
DS11.O2	DS20.O2	-32768..32767		Word addr 40164
DS11.O3	DS20.O3	-32768..32767		Word addr 40165
DS13.O1	DS22.O1	-32768..32767		Word addr 40166
DS13.O2	DS22.O2	-32768..32767		Word addr 40167
DS13.O3	DS22.O3	-32768..32767		Word addr 40168

ModulBus(DDCS) – Modbus TCP converter PE1364B24

DDCS Node 5 Signal list ModuleBus – Modbus TCP

AC80 Data	AC80 Data	Value	Logged data to ModbusTCP	Modbus TCP data
First DS=1	**First DS =10**		⟶	
DS1.I1	DS10.I1	-32768..32767	Data from SLAVE to AC80	Word addr 40169
DS1.I2	DS10.I2	-32768..32767		Word addr 40170
DS1.I3	DS10.I3	-32768..32767		Word addr 40171
DS3.I1	DS12.I1	-32768..32767		Word addr 40172
DS3.I2	DS12.I2	-32768..32767		Word addr 40173
DS3.I3	DS12.I3	-32768..32767		Word addr 40174
DS5.I1	DS14.I1	-32768..32767		Word addr 40175
DS5.I2	DS14.I2	-32768..32767		Word addr 40176
DS5.I3	DS14.I3	-32768..32767		Word addr 40177
DS7.I1	DS16.I1	-32768..32767		Word addr 40178
DS7.I2	DS16.I2	-32768..32767		Word addr 40179
DS7.I3	DS16.I3	-32768..32767		Word addr 40180
DS9.I1	DS18.I1	-32768..32767		Word addr 40181
DS9.I2	DS18.I2	-32768..32767		Word addr 40182
DS9.I3	DS18.I3	-32768..32767		Word addr 40183
DS11.I1	DS20.I1	-32768..32767		Word addr 40184
DS11.I2	DS20.I2	-32768..32767		Word addr 40185
DS11.I3	DS20.I3	-32768..32767		Word addr 40186
DS13.I1	DS22.I1	-32768..32767		Word addr 40187
DS13.I2	DS22.I2	-32768..32767		Word addr 40188
DS13.I3	DS22.I3	-32768..32767		Word addr 40189
DS1.O1	DS10.O1	-32768..32767	Data from AC80 to SLAVE	Word addr 40190
DS1.O2	DS10.O2	-32768..32767		Word addr 40191
DS1.O3	DS10.O3	-32768..32767		Word addr 40192
DS3.O1	DS12.O1	-32768..32767		Word addr 40193
DS3.O2	DS12.O2	-32768..32767		Word addr 40194
DS3.O3	DS12.O3	-32768..32767		Word addr 40195
DS5.O1	DS14.O1	-32768..32767		Word addr 40196
DS5.O2	DS14.O2	-32768..32767		Word addr 40197
DS5.O3	DS14.O3	-32768..32767		Word addr 40198
DS7.O1	DS16.O1	-32768..32767		Word addr 40199
DS7.O2	DS16.O2	-32768..32767		Word addr 40200
DS7.O3	DS16.O3	-32768..32767		Word addr 40201
DS9.O1	DS18.O1	-32768..32767		Word addr 40202
DS9.O2	DS18.O2	-32768..32767		Word addr 40203
DS9.O3	DS18.O3	-32768..32767		Word addr 40204
DS11.O1	DS20.O1	-32768..32767		Word addr 40205
DS11.O2	DS20.O2	-32768..32767		Word addr 40206
DS11.O3	DS20.O3	-32768..32767		Word addr 40207
DS13.O1	DS22.O1	-32768..32767		Word addr 40208
DS13.O2	DS22.O2	-32768..32767		Word addr 40209
DS13.O3	DS22.O3	-32768..32767		Word addr 40210

ModulBus(DDCS) – Modbus TCP converter PE1364B24

DDCS Node 6 Signal list ModuleBus – Modbus TCP

AC80 Data	AC80 Data	Value	Logged data to ModbusTCP	Modbus TCP data
First DS=1	**First DS =10**		⟶	
DS1.I1	DS10.I1	-32768..32767	Data from SLAVE to AC80	Word addr 40211
DS1.I2	DS10.I2	-32768..32767		Word addr 40212
DS1.I3	DS10.I3	-32768..32767		Word addr 40213
DS3.I1	DS12.I1	-32768..32767		Word addr 40214
DS3.I2	DS12.I2	-32768..32767		Word addr 40215
DS3.I3	DS12.I3	-32768..32767		Word addr 40216
DS5.I1	DS14.I1	-32768..32767		Word addr 40217
DS5.I2	DS14.I2	-32768..32767		Word addr 40218
DS5.I3	DS14.I3	-32768..32767		Word addr 40219
DS7.I1	DS16.I1	-32768..32767		Word addr 40220
DS7.I2	DS16.I2	-32768..32767		Word addr 40221
DS7.I3	DS16.I3	-32768..32767		Word addr 40222
DS9.I1	DS18.I1	-32768..32767		Word addr 40223
DS9.I2	DS18.I2	-32768..32767		Word addr 40224
DS9.I3	DS18.I3	-32768..32767		Word addr 40225
DS11.I1	DS20.I1	-32768..32767		Word addr 40226
DS11.I2	DS20.I2	-32768..32767		Word addr 40227
DS11.I3	DS20.I3	-32768..32767		Word addr 40228
DS13.I1	DS22.I1	-32768..32767		Word addr 40229
DS13.I2	DS22.I2	-32768..32767		Word addr 40230
DS13.I3	DS22.I3	-32768..32767		Word addr 40231
DS1.O1	DS10.O1	-32768..32767	Data from AC80 to SLAVE	Word addr 40232
DS1.O2	DS10.O2	-32768..32767		Word addr 40233
DS1.O3	DS10.O3	-32768..32767		Word addr 40234
DS3.O1	DS12.O1	-32768..32767		Word addr 40235
DS3.O2	DS12.O2	-32768..32767		Word addr 40236
DS3.O3	DS12.O3	-32768..32767		Word addr 40237
DS5.O1	DS14.O1	-32768..32767		Word addr 40238
DS5.O2	DS14.O2	-32768..32767		Word addr 40239
DS5.O3	DS14.O3	-32768..32767		Word addr 40240
DS7.O1	DS16.O1	-32768..32767		Word addr 40241
DS7.O2	DS16.O2	-32768..32767		Word addr 40242
DS7.O3	DS16.O3	-32768..32767		Word addr 40243
DS9.O1	DS18.O1	-32768..32767		Word addr 40244
DS9.O2	DS18.O2	-32768..32767		Word addr 40245
DS9.O3	DS18.O3	-32768..32767		Word addr 40246
DS11.O1	DS20.O1	-32768..32767		Word addr 40247
DS11.O2	DS20.O2	-32768..32767		Word addr 40248
DS11.O3	DS20.O3	-32768..32767		Word addr 40249
DS13.O1	DS22.O1	-32768..32767		Word addr 40250
DS13.O2	DS22.O2	-32768..32767		Word addr 40251
DS13.O3	DS22.O3	-32768..32767		Word addr 40252

ModulBus(DDCS) – Modbus TCP converter PE1364B24

DDCS Node 7 Signal list ModuleBus – Modbus TCP

AC80 Data	AC80 Data	Value	Logged data to ModbusTCP	Modbus TCP data
First DS=1	**First DS =10**		⟶	
DS1.I1	DS10.I1	-32768..32767	Data from SLAVE to AC80	Word addr 40253
DS1.I2	DS10.I2	-32768..32767		Word addr 40254
DS1.I3	DS10.I3	-32768..32767		Word addr 40255
DS3.I1	DS12.I1	-32768..32767		Word addr 40256
DS3.I2	DS12.I2	-32768..32767		Word addr 40257
DS3.I3	DS12.I3	-32768..32767		Word addr 40258
DS5.I1	DS14.I1	-32768..32767		Word addr 40259
DS5.I2	DS14.I2	-32768..32767		Word addr 40260
DS5.I3	DS14.I3	-32768..32767		Word addr 40261
DS7.I1	DS16.I1	-32768..32767		Word addr 40262
DS7.I2	DS16.I2	-32768..32767		Word addr 40263
DS7.I3	DS16.I3	-32768..32767		Word addr 40264
DS9.I1	DS18.I1	-32768..32767		Word addr 40265
DS9.I2	DS18.I2	-32768..32767		Word addr 40266
DS9.I3	DS18.I3	-32768..32767		Word addr 40267
DS11.I1	DS20.I1	-32768..32767		Word addr 40268
DS11.I2	DS20.I2	-32768..32767		Word addr 40269
DS11.I3	DS20.I3	-32768..32767		Word addr 40270
DS13.I1	DS22.I1	-32768..32767		Word addr 40271
DS13.I2	DS22.I2	-32768..32767		Word addr 40272
DS13.I3	DS22.I3	-32768..32767		Word addr 40273
DS1.O1	DS10.O1	-32768..32767	Data from AC80 to SLAVE	Word addr 40274
DS1.O2	DS10.O2	-32768..32767		Word addr 40275
DS1.O3	DS10.O3	-32768..32767		Word addr 40276
DS3.O1	DS12.O1	-32768..32767		Word addr 40277
DS3.O2	DS12.O2	-32768..32767		Word addr 40278
DS3.O3	DS12.O3	-32768..32767		Word addr 40279
DS5.O1	DS14.O1	-32768..32767		Word addr 40280
DS5.O2	DS14.O2	-32768..32767		Word addr 40281
DS5.O3	DS14.O3	-32768..32767		Word addr 40282
DS7.O1	DS16.O1	-32768..32767		Word addr 40283
DS7.O2	DS16.O2	-32768..32767		Word addr 40284
DS7.O3	DS16.O3	-32768..32767		Word addr 40285
DS9.O1	DS18.O1	-32768..32767		Word addr 40286
DS9.O2	DS18.O2	-32768..32767		Word addr 40287
DS9.O3	DS18.O3	-32768..32767		Word addr 40288
DS11.O1	DS20.O1	-32768..32767		Word addr 40289
DS11.O2	DS20.O2	-32768..32767		Word addr 40290
DS11.O3	DS20.O3	-32768..32767		Word addr 40291
DS13.O1	DS22.O1	-32768..32767		Word addr 40292
DS13.O2	DS22.O2	-32768..32767		Word addr 40293
DS13.O3	DS22.O3	-32768..32767		Word addr 40294

ModulBus(DDCS) – Modbus TCP converter PE1364B24

DDCS Node 8 Signal list ModuleBus – Modbus TCP

AC80 Data	AC80 Data	Value	Logged data to ModbusTCP	Modbus TCP data
First DS=1	**First DS =10**		⟶	
DS1.I1	DS10.I1	-32768..32767	Data from SLAVE to AC80	Word addr 40295
DS1.I2	DS10.I2	-32768..32767		Word addr 40296
DS1.I3	DS10.I3	-32768..32767		Word addr 40297
DS3.I1	DS12.I1	-32768..32767		Word addr 40298
DS3.I2	DS12.I2	-32768..32767		Word addr 40299
DS3.I3	DS12.I3	-32768..32767		Word addr 40300
DS5.I1	DS14.I1	-32768..32767		Word addr 40301
DS5.I2	DS14.I2	-32768..32767		Word addr 40302
DS5.I3	DS14.I3	-32768..32767		Word addr 40303
DS7.I1	DS16.I1	-32768..32767		Word addr 40304
DS7.I2	DS16.I2	-32768..32767		Word addr 40305
DS7.I3	DS16.I3	-32768..32767		Word addr 40306
DS9.I1	DS18.I1	-32768..32767		Word addr 40307
DS9.I2	DS18.I2	-32768..32767		Word addr 40308
DS9.I3	DS18.I3	-32768..32767		Word addr 40309
DS11.I1	DS20.I1	-32768..32767		Word addr 40310
DS11.I2	DS20.I2	-32768..32767		Word addr 40311
DS11.I3	DS20.I3	-32768..32767		Word addr 40312
DS13.I1	DS22.I1	-32768..32767		Word addr 40313
DS13.I2	DS22.I2	-32768..32767		Word addr 40314
DS13.I3	DS22.I3	-32768..32767		Word addr 40315
DS1.O1	DS10.O1	-32768..32767	Data from AC80 to SLAVE	Word addr 40316
DS1.O2	DS10.O2	-32768..32767		Word addr 40317
DS1.O3	DS10.O3	-32768..32767		Word addr 40318
DS3.O1	DS12.O1	-32768..32767		Word addr 40319
DS3.O2	DS12.O2	-32768..32767		Word addr 40320
DS3.O3	DS12.O3	-32768..32767		Word addr 40321
DS5.O1	DS14.O1	-32768..32767		Word addr 40322
DS5.O2	DS14.O2	-32768..32767		Word addr 40323
DS5.O3	DS14.O3	-32768..32767		Word addr 40324
DS7.O1	DS16.O1	-32768..32767		Word addr 40325
DS7.O2	DS16.O2	-32768..32767		Word addr 40326
DS7.O3	DS16.O3	-32768..32767		Word addr 40327
DS9.O1	DS18.O1	-32768..32767		Word addr 40328
DS9.O2	DS18.O2	-32768..32767		Word addr 40329
DS9.O3	DS18.O3	-32768..32767		Word addr 40330
DS11.O1	DS20.O1	-32768..32767		Word addr 40331
DS11.O2	DS20.O2	-32768..32767		Word addr 40332
DS11.O3	DS20.O3	-32768..32767		Word addr 40333
DS13.O1	DS22.O1	-32768..32767		Word addr 40334
DS13.O2	DS22.O2	-32768..32767		Word addr 40335
DS13.O3	DS22.O3	-32768..32767		Word addr 40336

DDCS Node 9 Signal lst ModuleBus – Modbus TCP

AC80 Data	AC80 Data	Value	Logged data to ModbusTCP	Modbus TCP data
First DS=1	**First DS =10**		⟶	
DS1.I1	DS10.I1	-32768..32767	Data from SLAVE to AC80	Word addr 40337
DS1.I2	DS10.I2	-32768..32767		Word addr 40338
DS1.I3	DS10.I3	-32768..32767		Word addr 40339
DS3.I1	DS12.I1	-32768..32767		Word addr 40340
DS3.I2	DS12.I2	-32768..32767		Word addr 40341
DS3.I3	DS12.I3	-32768..32767		Word addr 40342
DS5.I1	DS14.I1	-32768..32767		Word addr 40343
DS5.I2	DS14.I2	-32768..32767		Word addr 40344
DS5.I3	DS14.I3	-32768..32767		Word addr 40345
DS7.I1	DS16.I1	-32768..32767		Word addr 40346
DS7.I2	DS16.I2	-32768..32767		Word addr 40347
DS7.I3	DS16.I3	-32768..32767		Word addr 40348
DS9.I1	DS18.I1	-32768..32767		Word addr 40349
DS9.I2	DS18.I2	-32768..32767		Word addr 40350
DS9.I3	DS18.I3	-32768..32767		Word addr 40351
DS11.I1	DS20.I1	-32768..32767		Word addr 40352
DS11.I2	DS20.I2	-32768..32767		Word addr 40353
DS11.I3	DS20.I3	-32768..32767		Word addr 40354
DS13.I1	DS22.I1	-32768..32767		Word addr 40355
DS13.I2	DS22.I2	-32768..32767		Word addr 40356
DS13.I3	DS22.I3	-32768..32767		Word addr 40357
DS1.O1	DS10.O1	-32768..32767	Data from AC80 to SLAVE	Word addr 40358
DS1.O2	DS10.O2	-32768..32767		Word addr 40359
DS1.O3	DS10.O3	-32768..32767		Word addr 40360
DS3.O1	DS12.O1	-32768..32767		Word addr 40361
DS3.O2	DS12.O2	-32768..32767		Word addr 40362
DS3.O3	DS12.O3	-32768..32767		Word addr 40363
DS5.O1	DS14.O1	-32768..32767		Word addr 40364
DS5.O2	DS14.O2	-32768..32767		Word addr 40365
DS5.O3	DS14.O3	-32768..32767		Word addr 40366
DS7.O1	DS16.O1	-32768..32767		Word addr 40367
DS7.O2	DS16.O2	-32768..32767		Word addr 40368
DS7.O3	DS16.O3	-32768..32767		Word addr 40369
DS9.O1	DS18.O1	-32768..32767		Word addr 40370
DS9.O2	DS18.O2	-32768..32767		Word addr 40371
DS9.O3	DS18.O3	-32768..32767		Word addr 40372
DS11.O1	DS20.O1	-32768..32767		Word addr 40373
DS11.O2	DS20.O2	-32768..32767		Word addr 40374
DS11.O3	DS20.O3	-32768..32767		Word addr 40375
DS13.O1	DS22.O1	-32768..32767		Word addr 40376
DS13.O2	DS22.O2	-32768..32767		Word addr 40377
DS13.O3	DS22.O3	-32768..32767		Word addr 40378

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DDCS Node 10 Signal list ModuleBus – Modbus TCP

AC80 Data	AC80 Data	Value	Logged data to ModbusTCP	Modbus TCP data
First DS=1	**First DS =10**		⟶	
DS1.I1	DS10.I1	-32768..32767	Data from SLAVE to AC80	Word addr 40379
DS1.I2	DS10.I2	-32768..32767		Word addr 40380
DS1.I3	DS10.I3	-32768..32767		Word addr 40381
DS3.I1	DS12.I1	-32768..32767		Word addr 40382
DS3.I2	DS12.I2	-32768..32767		Word addr 40383
DS3.I3	DS12.I3	-32768..32767		Word addr 40384
DS5.I1	DS14.I1	-32768..32767		Word addr 40385
DS5.I2	DS14.I2	-32768..32767		Word addr 40386
DS5.I3	DS14.I3	-32768..32767		Word addr 40387
DS7.I1	DS16.I1	-32768..32767		Word addr 40388
DS7.I2	DS16.I2	-32768..32767		Word addr 40389
DS7.I3	DS16.I3	-32768..32767		Word addr 40390
DS9.I1	DS18.I1	-32768..32767		Word addr 40391
DS9.I2	DS18.I2	-32768..32767		Word addr 40392
DS9.I3	DS18.I3	-32768..32767		Word addr 40393
DS11.I1	DS20.I1	-32768..32767		Word addr 40394
DS11.I2	DS20.I2	-32768..32767		Word addr 40395
DS11.I3	DS20.I3	-32768..32767		Word addr 40396
DS13.I1	DS22.I1	-32768..32767		Word addr 40397
DS13.I2	DS22.I2	-32768..32767		Word addr 40398
DS13.I3	DS22.I3	-32768..32767		Word addr 40399
DS1.O1	DS10.O1	-32768..32767	Data from AC80 to SLAVE	Word addr 40400
DS1.O2	DS10.O2	-32768..32767		Word addr 40401
DS1.O3	DS10.O3	-32768..32767		Word addr 40402
DS3.O1	DS12.O1	-32768..32767		Word addr 40403
DS3.O2	DS12.O2	-32768..32767		Word addr 40404
DS3.O3	DS12.O3	-32768..32767		Word addr 40405
DS5.O1	DS14.O1	-32768..32767		Word addr 40406
DS5.O2	DS14.O2	-32768..32767		Word addr 40407
DS5.O3	DS14.O3	-32768..32767		Word addr 40408
DS7.O1	DS16.O1	-32768..32767		Word addr 40409
DS7.O2	DS16.O2	-32768..32767		Word addr 40410
DS7.O3	DS16.O3	-32768..32767		Word addr 40411
DS9.O1	DS18.O1	-32768..32767		Word addr 40412
DS9.O2	DS18.O2	-32768..32767		Word addr 40413
DS9.O3	DS18.O3	-32768..32767		Word addr 40414
DS11.O1	DS20.O1	-32768..32767		Word addr 40415
DS11.O2	DS20.O2	-32768..32767		Word addr 40416
DS11.O3	DS20.O3	-32768..32767		Word addr 40417
DS13.O1	DS22.O1	-32768..32767		Word addr 40418
DS13.O2	DS22.O2	-32768..32767		Word addr 40419
DS13.O3	DS22.O3	-32768..32767		Word addr 40420

ModulBus(DDCS) – Modbus TCP converter PE1364B24

DDCS Node 11 Signal list ModuleBus – Modbus TCP

AC80 Data	AC80 Data	Value	Logged data to ModbusTCP	Modbus TCP data
First DS=1	**First DS =10**		⟶	
DS1.I1	DS10.I1	-32768..32767	Data from SLAVE to AC80	Word addr 40421
DS1.I2	DS10.I2	-32768..32767		Word addr 40422
DS1.I3	DS10.I3	-32768..32767		Word addr 40423
DS3.I1	DS12.I1	-32768..32767		Word addr 40424
DS3.I2	DS12.I2	-32768..32767		Word addr 40425
DS3.I3	DS12.I3	-32768..32767		Word addr 40426
DS5.I1	DS14.I1	-32768..32767		Word addr 40427
DS5.I2	DS14.I2	-32768..32767		Word addr 40428
DS5.I3	DS14.I3	-32768..32767		Word addr 40429
DS7.I1	DS16.I1	-32768..32767		Word addr 40430
DS7.I2	DS16.I2	-32768..32767		Word addr 40431
DS7.I3	DS16.I3	-32768..32767		Word addr 40432
DS9.I1	DS18.I1	-32768..32767		Word addr 40433
DS9.I2	DS18.I2	-32768..32767		Word addr 40434
DS9.I3	DS18.I3	-32768..32767		Word addr 40435
DS11.I1	DS20.I1	-32768..32767		Word addr 40436
DS11.I2	DS20.I2	-32768..32767		Word addr 40437
DS11.I3	DS20.I3	-32768..32767		Word addr 40438
DS13.I1	DS22.I1	-32768..32767		Word addr 40439
DS13.I2	DS22.I2	-32768..32767		Word addr 40440
DS13.I3	DS22.I3	-32768..32767		Word addr 40441
DS1.O1	DS10.O1	-32768..32767	Data from AC80 to SLAVE	Word addr 40442
DS1.O2	DS10.O2	-32768..32767		Word addr 40443
DS1.O3	DS10.O3	-32768..32767		Word addr 40444
DS3.O1	DS12.O1	-32768..32767		Word addr 40445
DS3.O2	DS12.O2	-32768..32767		Word addr 40446
DS3.O3	DS12.O3	-32768..32767		Word addr 40447
DS5.O1	DS14.O1	-32768..32767		Word addr 40448
DS5.O2	DS14.O2	-32768..32767		Word addr 40449
DS5.O3	DS14.O3	-32768..32767		Word addr 40450
DS7.O1	DS16.O1	-32768..32767		Word addr 40451
DS7.O2	DS16.O2	-32768..32767		Word addr 40452
DS7.O3	DS16.O3	-32768..32767		Word addr 40453
DS9.O1	DS18.O1	-32768..32767		Word addr 40454
DS9.O2	DS18.O2	-32768..32767		Word addr 40455
DS9.O3	DS18.O3	-32768..32767		Word addr 40456
DS11.O1	DS20.O1	-32768..32767		Word addr 40457
DS11.O2	DS20.O2	-32768..32767		Word addr 40458
DS11.O3	DS20.O3	-32768..32767		Word addr 40459
DS13.O1	DS22.O1	-32768..32767		Word addr 40460
DS13.O2	DS22.O2	-32768..32767		Word addr 40461
DS13.O3	DS22.O3	-32768..32767		Word addr 40462

ModulBus(DDCS) – Modbus TCP converter PE1364B24

DDCS Node 12 Signal list ModuleBus – Modbus TCP

AC80 Data	AC80 Data	Value	Logged data to ModbusTCP	Modbus TCP data
First DS=1	**First DS =10**		⟶	
DS1.I1	DS10.I1	-32768..32767	Data from SLAVE to AC80	Word addr 40463
DS1.I2	DS10.I2	-32768..32767		Word addr 40464
DS1.I3	DS10.I3	-32768..32767		Word addr 40465
DS3.I1	DS12.I1	-32768..32767		Word addr 40466
DS3.I2	DS12.I2	-32768..32767		Word addr 40467
DS3.I3	DS12.I3	-32768..32767		Word addr 40468
DS5.I1	DS14.I1	-32768..32767		Word addr 40469
DS5.I2	DS14.I2	-32768..32767		Word addr 40470
DS5.I3	DS14.I3	-32768..32767		Word addr 40471
DS7.I1	DS16.I1	-32768..32767		Word addr 40472
DS7.I2	DS16.I2	-32768..32767		Word addr 40473
DS7.I3	DS16.I3	-32768..32767		Word addr 40474
DS9.I1	DS18.I1	-32768..32767		Word addr 40475
DS9.I2	DS18.I2	-32768..32767		Word addr 40476
DS9.I3	DS18.I3	-32768..32767		Word addr 40477
DS11.I1	DS20.I1	-32768..32767		Word addr 40478
DS11.I2	DS20.I2	-32768..32767		Word addr 40479
DS11.I3	DS20.I3	-32768..32767		Word addr 40480
DS13.I1	DS22.I1	-32768..32767		Word addr 40481
DS13.I2	DS22.I2	-32768..32767		Word addr 40482
DS13.I3	DS22.I3	-32768..32767		Word addr 40483
DS1.O1	DS10.O1	-32768..32767	Data from AC80 to SLAVE	Word addr 40484
DS1.O2	DS10.O2	-32768..32767		Word addr 40485
DS1.O3	DS10.O3	-32768..32767		Word addr 40486
DS3.O1	DS12.O1	-32768..32767		Word addr 40487
DS3.O2	DS12.O2	-32768..32767		Word addr 40488
DS3.O3	DS12.O3	-32768..32767		Word addr 40489
DS5.O1	DS14.O1	-32768..32767		Word addr 40490
DS5.O2	DS14.O2	-32768..32767		Word addr 40491
DS5.O3	DS14.O3	-32768..32767		Word addr 40492
DS7.O1	DS16.O1	-32768..32767		Word addr 40493
DS7.O2	DS16.O2	-32768..32767		Word addr 40494
DS7.O3	DS16.O3	-32768..32767		Word addr 40495
DS9.O1	DS18.O1	-32768..32767		Word addr 40496
DS9.O2	DS18.O2	-32768..32767		Word addr 40497
DS9.O3	DS18.O3	-32768..32767		Word addr 40498
DS11.O1	DS20.O1	-32768..32767		Word addr 40499
DS11.O2	DS20.O2	-32768..32767		Word addr 40500
DS11.O3	DS20.O3	-32768..32767		Word addr 40501
DS13.O1	DS22.O1	-32768..32767		Word addr 40502
DS13.O2	DS22.O2	-32768..32767		Word addr 40503
DS13.O3	DS22.O3	-32768..32767		Word addr 40504

ModulBus(DDCS) – Modbus TCP converter PE1364B24

DDCS Node 13 Signal list ModuleBus – Modbus TCP

AC80 Data	AC80 Data	Value	Logged data to ModbusTCP	Modbus TCP data
First DS=1	**First DS =10**		→	
DS1.I1	DS10.I1	-32768..32767	Data from SLAVE to AC80	Word addr 40505
DS1.I2	DS10.I2	-32768..32767		Word addr 40506
DS1.I3	DS10.I3	-32768..32767		Word addr 40507
DS3.I1	DS12.I1	-32768..32767		Word addr 40508
DS3.I2	DS12.I2	-32768..32767		Word addr 40509
DS3.I3	DS12.I3	-32768..32767		Word addr 40510
DS5.I1	DS14.I1	-32768..32767		Word addr 40511
DS5.I2	DS14.I2	-32768..32767		Word addr 40512
DS5.I3	DS14.I3	-32768..32767		Word addr 40513
DS7.I1	DS16.I1	-32768..32767		Word addr 40514
DS7.I2	DS16.I2	-32768..32767		Word addr 40515
DS7.I3	DS16.I3	-32768..32767		Word addr 40516
DS9.I1	DS18.I1	-32768..32767		Word addr 40517
DS9.I2	DS18.I2	-32768..32767		Word addr 40518
DS9.I3	DS18.I3	-32768..32767		Word addr 40519
DS11.I1	DS20.I1	-32768..32767		Word addr 40520
DS11.I2	DS20.I2	-32768..32767		Word addr 40521
DS11.I3	DS20.I3	-32768..32767		Word addr 40522
DS13.I1	DS22.I1	-32768..32767		Word addr 40523
DS13.I2	DS22.I2	-32768..32767		Word addr 40524
DS13.I3	DS22.I3	-32768..32767		Word addr 40525
DS1.O1	DS10.O1	-32768..32767	Data from AC80 to SLAVE	Word addr 40526
DS1.O2	DS10.O2	-32768..32767		Word addr 40527
DS1.O3	DS10.O3	-32768..32767		Word addr 40528
DS3.O1	DS12.O1	-32768..32767		Word addr 40529
DS3.O2	DS12.O2	-32768..32767		Word addr 40530
DS3.O3	DS12.O3	-32768..32767		Word addr 40531
DS5.O1	DS14.O1	-32768..32767		Word addr 40532
DS5.O2	DS14.O2	-32768..32767		Word addr 40533
DS5.O3	DS14.O3	-32768..32767		Word addr 40534
DS7.O1	DS16.O1	-32768..32767		Word addr 40535
DS7.O2	DS16.O2	-32768..32767		Word addr 40536
DS7.O3	DS16.O3	-32768..32767		Word addr 40537
DS9.O1	DS18.O1	-32768..32767		Word addr 40538
DS9.O2	DS18.O2	-32768..32767		Word addr 40539
DS9.O3	DS18.O3	-32768..32767		Word addr 40540
DS11.O1	DS20.O1	-32768..32767		Word addr 40541
DS11.O2	DS20.O2	-32768..32767		Word addr 40542
DS11.O3	DS20.O3	-32768..32767		Word addr 40543
DS13.O1	DS22.O1	-32768..32767		Word addr 40544
DS13.O2	DS22.O2	-32768..32767		Word addr 40545
DS13.O3	DS22.O3	-32768..32767		Word addr 40546

DDCS Node 14 Signal list ModuleBus – Modbus TCP

AC80 Data	AC80 Data	Value	Logged data to ModbusTCP	Modbus TCP data
First DS=1	**First DS =10**		⟶	
DS1.I1	DS10.I1	-32768..32767	Data from SLAVE to AC80	Word addr 40547
DS1.I2	DS10.I2	-32768..32767		Word addr 40548
DS1.I3	DS10.I3	-32768..32767		Word addr 40549
DS3.I1	DS12.I1	-32768..32767		Word addr 40550
DS3.I2	DS12.I2	-32768..32767		Word addr 40551
DS3.I3	DS12.I3	-32768..32767		Word addr 40552
DS5.I1	DS14.I1	-32768..32767		Word addr 40553
DS5.I2	DS14.I2	-32768..32767		Word addr 40554
DS5.I3	DS14.I3	-32768..32767		Word addr 40555
DS7.I1	DS16.I1	-32768..32767		Word addr 40556
DS7.I2	DS16.I2	-32768..32767		Word addr 40557
DS7.I3	DS16.I3	-32768..32767		Word addr 40558
DS9.I1	DS18.I1	-32768..32767		Word addr 40559
DS9.I2	DS18.I2	-32768..32767		Word addr 40560
DS9.I3	DS18.I3	-32768..32767		Word addr 40561
DS11.I1	DS20.I1	-32768..32767		Word addr 40562
DS11.I2	DS20.I2	-32768..32767		Word addr 40563
DS11.I3	DS20.I3	-32768..32767		Word addr 40564
DS13.I1	DS22.I1	-32768..32767		Word addr 40565
DS13.I2	DS22.I2	-32768..32767		Word addr 40566
DS13.I3	DS22.I3	-32768..32767		Word addr 40567
DS1.O1	DS10.O1	-32768..32767	Data from AC80 to SLAVE	Word addr 40568
DS1.O2	DS10.O2	-32768..32767		Word addr 40569
DS1.O3	DS10.O3	-32768..32767		Word addr 40570
DS3.O1	DS12.O1	-32768..32767		Word addr 40571
DS3.O2	DS12.O2	-32768..32767		Word addr 40572
DS3.O3	DS12.O3	-32768..32767		Word addr 40573
DS5.O1	DS14.O1	-32768..32767		Word addr 40574
DS5.O2	DS14.O2	-32768..32767		Word addr 40575
DS5.O3	DS14.O3	-32768..32767		Word addr 40576
DS7.O1	DS16.O1	-32768..32767		Word addr 40577
DS7.O2	DS16.O2	-32768..32767		Word addr 40578
DS7.O3	DS16.O3	-32768..32767		Word addr 40579
DS9.O1	DS18.O1	-32768..32767		Word addr 40580
DS9.O2	DS18.O2	-32768..32767		Word addr 40581
DS9.O3	DS18.O3	-32768..32767		Word addr 40582
DS11.O1	DS20.O1	-32768..32767		Word addr 40583
DS11.O2	DS20.O2	-32768..32767		Word addr 40584
DS11.O3	DS20.O3	-32768..32767		Word addr 40585
DS13.O1	DS22.O1	-32768..32767		Word addr 40586
DS13.O2	DS22.O2	-32768..32767		Word addr 40587
DS13.O3	DS22.O3	-32768..32767		Word addr 40588

ModulBus(DDCS) – Modbus TCP converter PE1364B24

DDCS Node 15 Signal list ModuleBus – Modbus TCP

AC80 Data	AC80 Data	Value	Logged data to ModbusTCP	Modbus TCP data
First DS=1	**First DS =10**		⟶	
DS1.I1	DS10.I1	-32768..32767	Data from SLAVE to AC80	Word addr 40589
DS1.I2	DS10.I2	-32768..32767		Word addr 40590
DS1.I3	DS10.I3	-32768..32767		Word addr 40591
DS3.I1	DS12.I1	-32768..32767		Word addr 40592
DS3.I2	DS12.I2	-32768..32767		Word addr 40593
DS3.I3	DS12.I3	-32768..32767		Word addr 40594
DS5.I1	DS14.I1	-32768..32767		Word addr 40595
DS5.I2	DS14.I2	-32768..32767		Word addr 40596
DS5.I3	DS14.I3	-32768..32767		Word addr 40597
DS7.I1	DS16.I1	-32768..32767		Word addr 40598
DS7.I2	DS16.I2	-32768..32767		Word addr 40599
DS7.I3	DS16.I3	-32768..32767		Word addr 40600
DS9.I1	DS18.I1	-32768..32767		Word addr 40601
DS9.I2	DS18.I2	-32768..32767		Word addr 40602
DS9.I3	DS18.I3	-32768..32767		Word addr 40603
DS11.I1	DS20.I1	-32768..32767		Word addr 40604
DS11.I2	DS20.I2	-32768..32767		Word addr 40605
DS11.I3	DS20.I3	-32768..32767		Word addr 40606
DS13.I1	DS22.I1	-32768..32767		Word addr 40607
DS13.I2	DS22.I2	-32768..32767		Word addr 40608
DS13.I3	DS22.I3	-32768..32767		Word addr 40609
DS1.O1	DS10.O1	-32768..32767	Data from AC80 to SLAVE	Word addr 40610
DS1.O2	DS10.O2	-32768..32767		Word addr 40611
DS1.O3	DS10.O3	-32768..32767		Word addr 40612
DS3.O1	DS12.O1	-32768..32767		Word addr 40613
DS3.O2	DS12.O2	-32768..32767		Word addr 40614
DS3.O3	DS12.O3	-32768..32767		Word addr 40615
DS5.O1	DS14.O1	-32768..32767		Word addr 40616
DS5.O2	DS14.O2	-32768..32767		Word addr 40617
DS5.O3	DS14.O3	-32768..32767		Word addr 40618
DS7.O1	DS16.O1	-32768..32767		Word addr 40619
DS7.O2	DS16.O2	-32768..32767		Word addr 40620
DS7.O3	DS16.O3	-32768..32767		Word addr 40621
DS9.O1	DS18.O1	-32768..32767		Word addr 40622
DS9.O2	DS18.O2	-32768..32767		Word addr 40623
DS9.O3	DS18.O3	-32768..32767		Word addr 40624
DS11.O1	DS20.O1	-32768..32767		Word addr 40625
DS11.O2	DS20.O2	-32768..32767		Word addr 40626
DS11.O3	DS20.O3	-32768..32767		Word addr 40627
DS13.O1	DS22.O1	-32768..32767		Word addr 40628
DS13.O2	DS22.O2	-32768..32767		Word addr 40629
DS13.O3	DS22.O3	-32768..32767		Word addr 40630

ModulBus(DDCS) – Modbus TCP converter PE1364B24

DDCS Node 16 Signal list ModuleBus – Modbus TCP

AC80 Data	AC80 Data	Value	Logged data to ModbusTCP	Modbus TCP data
First DS=1	**First DS =10**		⟶	
DS1.I1	DS10.I1	-32768..32767	Data from SLAVE to AC80	Word addr 40631
DS1.I2	DS10.I2	-32768..32767		Word addr 40632
DS1.I3	DS10.I3	-32768..32767		Word addr 40633
DS3.I1	DS12.I1	-32768..32767		Word addr 40634
DS3.I2	DS12.I2	-32768..32767		Word addr 40635
DS3.I3	DS12.I3	-32768..32767		Word addr 40636
DS5.I1	DS14.I1	-32768..32767		Word addr 40637
DS5.I2	DS14.I2	-32768..32767		Word addr 40638
DS5.I3	DS14.I3	-32768..32767		Word addr 40639
DS7.I1	DS16.I1	-32768..32767		Word addr 40640
DS7.I2	DS16.I2	-32768..32767		Word addr 40641
DS7.I3	DS16.I3	-32768..32767		Word addr 40642
DS9.I1	DS18.I1	-32768..32767		Word addr 40643
DS9.I2	DS18.I2	-32768..32767		Word addr 40644
DS9.I3	DS18.I3	-32768..32767		Word addr 40645
DS11.I1	DS20.I1	-32768..32767		Word addr 40646
DS11.I2	DS20.I2	-32768..32767		Word addr 40647
DS11.I3	DS20.I3	-32768..32767		Word addr 40648
DS13.I1	DS22.I1	-32768..32767		Word addr 40649
DS13.I2	DS22.I2	-32768..32767		Word addr 40655
DS13.I3	DS22.I3	-32768..32767		Word addr 40651
DS1.O1	DS10.O1	-32768..32767	Data from AC80 to SLAVE	Word addr 40652
DS1.O2	DS10.O2	-32768..32767		Word addr 40653
DS1.O3	DS10.O3	-32768..32767		Word addr 40654
DS3.O1	DS12.O1	-32768..32767		Word addr 40655
DS3.O2	DS12.O2	-32768..32767		Word addr 40656
DS3.O3	DS12.O3	-32768..32767		Word addr 40657
DS5.O1	DS14.O1	-32768..32767		Word addr 40658
DS5.O2	DS14.O2	-32768..32767		Word addr 40659
DS5.O3	DS14.O3	-32768..32767		Word addr 40660
DS7.O1	DS16.O1	-32768..32767		Word addr 40661
DS7.O2	DS16.O2	-32768..32767		Word addr 40662
DS7.O3	DS16.O3	-32768..32767		Word addr 40663
DS9.O1	DS18.O1	-32768..32767		Word addr 40664
DS9.O2	DS18.O2	-32768..32767		Word addr 40665
DS9.O3	DS18.O3	-32768..32767		Word addr 40666
DS11.O1	DS20.O1	-32768..32767		Word addr 40667
DS11.O2	DS20.O2	-32768..32767		Word addr 40668
DS11.O3	DS20.O3	-32768..32767		Word addr 40669
DS13.O1	DS22.O1	-32768..32767		Word addr 40670
DS13.O2	DS22.O2	-32768..32767		Word addr 40671
DS13.O3	DS22.O3	-32768..32767		Word addr 40672

DDCS Node 17 Signal list ModuleBus – Modbus TCP

AC80 Data	AC80 Data	Value	Logged data to ModbusTCP	Modbus TCP data
First DS=1	**First DS =10**		⟶	
DS1.I1	DS10.I1	-32768..32767	Data from SLAVE to AC80	Word addr 40673
DS1.I2	DS10.I2	-32768..32767		Word addr 40674
DS1.I3	DS10.I3	-32768..32767		Word addr 40675
DS3.I1	DS12.I1	-32768..32767		Word addr 40676
DS3.I2	DS12.I2	-32768..32767		Word addr 40677
DS3.I3	DS12.I3	-32768..32767		Word addr 40678
DS5.I1	DS14.I1	-32768..32767		Word addr 40679
DS5.I2	DS14.I2	-32768..32767		Word addr 40680
DS5.I3	DS14.I3	-32768..32767		Word addr 40681
DS7.I1	DS16.I1	-32768..32767		Word addr 40682
DS7.I2	DS16.I2	-32768..32767		Word addr 40683
DS7.I3	DS16.I3	-32768..32767		Word addr 40684
DS9.I1	DS18.I1	-32768..32767		Word addr 40685
DS9.I2	DS18.I2	-32768..32767		Word addr 40686
DS9.I3	DS18.I3	-32768..32767		Word addr 40687
DS11.I1	DS20.I1	-32768..32767		Word addr 40688
DS11.I2	DS20.I2	-32768..32767		Word addr 40689
DS11.I3	DS20.I3	-32768..32767		Word addr 40690
DS13.I1	DS22.I1	-32768..32767		Word addr 40691
DS13.I2	DS22.I2	-32768..32767		Word addr 40692
DS13.I3	DS22.I3	-32768..32767		Word addr 40693
DS1.O1	DS10.O1	-32768..32767	Data from AC80 to SLAVE	Word addr 40694
DS1.O2	DS10.O2	-32768..32767		Word addr 40695
DS1.O3	DS10.O3	-32768..32767		Word addr 40696
DS3.O1	DS12.O1	-32768..32767		Word addr 40697
DS3.O2	DS12.O2	-32768..32767		Word addr 40698
DS3.O3	DS12.O3	-32768..32767		Word addr 40699
DS5.O1	DS14.O1	-32768..32767		Word addr 40700
DS5.O2	DS14.O2	-32768..32767		Word addr 40701
DS5.O3	DS14.O3	-32768..32767		Word addr 40702
DS7.O1	DS16.O1	-32768..32767		Word addr 40703
DS7.O2	DS16.O2	-32768..32767		Word addr 40704
DS7.O3	DS16.O3	-32768..32767		Word addr 40705
DS9.O1	DS18.O1	-32768..32767		Word addr 40706
DS9.O2	DS18.O2	-32768..32767		Word addr 40707
DS9.O3	DS18.O3	-32768..32767		Word addr 40708
DS11.O1	DS20.O1	-32768..32767		Word addr 40709
DS11.O2	DS20.O2	-32768..32767		Word addr 40710
DS11.O3	DS20.O3	-32768..32767		Word addr 40711
DS13.O1	DS22.O1	-32768..32767		Word addr 40712
DS13.O2	DS22.O2	-32768..32767		Word addr 40713
DS13.O3	DS22.O3	-32768..32767		Word addr 40714

DDCS Node 18 Signal list ModuleBus – Modbus TCP

AC80 Data	AC80 Data	Value	Logged data to ModbusTCP	Modbus TCP data
First DS=1	**First DS =10**		⟶	
DS1.I1	DS10.I1	-32768..32767	Data from SLAVE to AC80	Word addr 40715
DS1.I2	DS10.I2	-32768..32767		Word addr 40716
DS1.I3	DS10.I3	-32768..32767		Word addr 40717
DS3.I1	DS12.I1	-32768..32767		Word addr 40718
DS3.I2	DS12.I2	-32768..32767		Word addr 40719
DS3.I3	DS12.I3	-32768..32767		Word addr 40720
DS5.I1	DS14.I1	-32768..32767		Word addr 40721
DS5.I2	DS14.I2	-32768..32767		Word addr 40722
DS5.I3	DS14.I3	-32768..32767		Word addr 40723
DS7.I1	DS16.I1	-32768..32767		Word addr 40724
DS7.I2	DS16.I2	-32768..32767		Word addr 40725
DS7.I3	DS16.I3	-32768..32767		Word addr 40726
DS9.I1	DS18.I1	-32768..32767		Word addr 40727
DS9.I2	DS18.I2	-32768..32767		Word addr 40728
DS9.I3	DS18.I3	-32768..32767		Word addr 40729
DS11.I1	DS20.I1	-32768..32767		Word addr 40730
DS11.I2	DS20.I2	-32768..32767		Word addr 40731
DS11.I3	DS20.I3	-32768..32767		Word addr 40732
DS13.I1	DS22.I1	-32768..32767		Word addr 40733
DS13.I2	DS22.I2	-32768..32767		Word addr 40734
DS13.I3	DS22.I3	-32768..32767		Word addr 40735
DS1.O1	DS10.O1	-32768..32767	Data from AC80 to SLAVE	Word addr 40736
DS1.O2	DS10.O2	-32768..32767		Word addr 40737
DS1.O3	DS10.O3	-32768..32767		Word addr 40738
DS3.O1	DS12.O1	-32768..32767		Word addr 40739
DS3.O2	DS12.O2	-32768..32767		Word addr 40740
DS3.O3	DS12.O3	-32768..32767		Word addr 40741
DS5.O1	DS14.O1	-32768..32767		Word addr 40742
DS5.O2	DS14.O2	-32768..32767		Word addr 40743
DS5.O3	DS14.O3	-32768..32767		Word addr 40744
DS7.O1	DS16.O1	-32768..32767		Word addr 40745
DS7.O2	DS16.O2	-32768..32767		Word addr 40746
DS7.O3	DS16.O3	-32768..32767		Word addr 40747
DS9.O1	DS18.O1	-32768..32767		Word addr 40748
DS9.O2	DS18.O2	-32768..32767		Word addr 40749
DS9.O3	DS18.O3	-32768..32767		Word addr 40755
DS11.O1	DS20.O1	-32768..32767		Word addr 40751
DS11.O2	DS20.O2	-32768..32767		Word addr 40752
DS11.O3	DS20.O3	-32768..32767		Word addr 40753
DS13.O1	DS22.O1	-32768..32767		Word addr 40754
DS13.O2	DS22.O2	-32768..32767		Word addr 40755
DS13.O3	DS22.O3	-32768..32767		Word addr 40756

DDCS Node 19 Signal list ModuleBus – Modbus TCP

AC80 Data	AC80 Data	Value	Logged data to ModbusTCP	Modbus TCP data
First DS=1	**First DS =10**		⟶	
DS1.I1	DS10.I1	-32768..32767	Data from SLAVE to AC80	Word addr 40757
DS1.I2	DS10.I2	-32768..32767		Word addr 40758
DS1.I3	DS10.I3	-32768..32767		Word addr 40759
DS3.I1	DS12.I1	-32768..32767		Word addr 40760
DS3.I2	DS12.I2	-32768..32767		Word addr 40761
DS3.I3	DS12.I3	-32768..32767		Word addr 40762
DS5.I1	DS14.I1	-32768..32767		Word addr 40763
DS5.I2	DS14.I2	-32768..32767		Word addr 40764
DS5.I3	DS14.I3	-32768..32767		Word addr 40765
DS7.I1	DS16.I1	-32768..32767		Word addr 40766
DS7.I2	DS16.I2	-32768..32767		Word addr 40767
DS7.I3	DS16.I3	-32768..32767		Word addr 40768
DS9.I1	DS18.I1	-32768..32767		Word addr 40769
DS9.I2	DS18.I2	-32768..32767		Word addr 40770
DS9.I3	DS18.I3	-32768..32767		Word addr 40771
DS11.I1	DS20.I1	-32768..32767		Word addr 40772
DS11.I2	DS20.I2	-32768..32767		Word addr 40773
DS11.I3	DS20.I3	-32768..32767		Word addr 40774
DS13.I1	DS22.I1	-32768..32767		Word addr 40775
DS13.I2	DS22.I2	-32768..32767		Word addr 40776
DS13.I3	DS22.I3	-32768..32767		Word addr 40777
DS1.O1	DS10.O1	-32768..32767	Data from AC80 to SLAVE	Word addr 40778
DS1.O2	DS10.O2	-32768..32767		Word addr 40779
DS1.O3	DS10.O3	-32768..32767		Word addr 40780
DS3.O1	DS12.O1	-32768..32767		Word addr 40781
DS3.O2	DS12.O2	-32768..32767		Word addr 40782
DS3.O3	DS12.O3	-32768..32767		Word addr 40783
DS5.O1	DS14.O1	-32768..32767		Word addr 40784
DS5.O2	DS14.O2	-32768..32767		Word addr 40785
DS5.O3	DS14.O3	-32768..32767		Word addr 40786
DS7.O1	DS16.O1	-32768..32767		Word addr 40787
DS7.O2	DS16.O2	-32768..32767		Word addr 40788
DS7.O3	DS16.O3	-32768..32767		Word addr 40789
DS9.O1	DS18.O1	-32768..32767		Word addr 40790
DS9.O2	DS18.O2	-32768..32767		Word addr 40791
DS9.O3	DS18.O3	-32768..32767		Word addr 40792
DS11.O1	DS20.O1	-32768..32767		Word addr 40793
DS11.O2	DS20.O2	-32768..32767		Word addr 40794
DS11.O3	DS20.O3	-32768..32767		Word addr 40795
DS13.O1	DS22.O1	-32768..32767		Word addr 40796
DS13.O2	DS22.O2	-32768..32767		Word addr 40797
DS13.O3	DS22.O3	-32768..32767		Word addr 40798

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DDCS Node 20 Signal list ModuleBus – Modbus TCP

AC80 Data	AC80 Data	Value	Logged data to ModbusTCP	Modbus TCP data
First DS=1	**First DS =10**		⟶	
DS1.I1	DS10.I1	-32768..32767	Data from SLAVE to AC80	Word addr 40799
DS1.I2	DS10.I2	-32768..32767		Word addr 40800
DS1.I3	DS10.I3	-32768..32767		Word addr 40801
DS3.I1	DS12.I1	-32768..32767		Word addr 40802
DS3.I2	DS12.I2	-32768..32767		Word addr 40803
DS3.I3	DS12.I3	-32768..32767		Word addr 40804
DS5.I1	DS14.I1	-32768..32767		Word addr 40805
DS5.I2	DS14.I2	-32768..32767		Word addr 40806
DS5.I3	DS14.I3	-32768..32767		Word addr 40807
DS7.I1	DS16.I1	-32768..32767		Word addr 40808
DS7.I2	DS16.I2	-32768..32767		Word addr 40809
DS7.I3	DS16.I3	-32768..32767		Word addr 40810
DS9.I1	DS18.I1	-32768..32767		Word addr 40811
DS9.I2	DS18.I2	-32768..32767		Word addr 40812
DS9.I3	DS18.I3	-32768..32767		Word addr 40813
DS11.I1	DS20.I1	-32768..32767		Word addr 40814
DS11.I2	DS20.I2	-32768..32767		Word addr 40815
DS11.I3	DS20.I3	-32768..32767		Word addr 40816
DS13.I1	DS22.I1	-32768..32767		Word addr 40817
DS13.I2	DS22.I2	-32768..32767		Word addr 40818
DS13.I3	DS22.I3	-32768..32767		Word addr 40819
DS1.O1	DS10.O1	-32768..32767	Data from AC80 to SLAVE	Word addr 40820
DS1.O2	DS10.O2	-32768..32767		Word addr 40821
DS1.O3	DS10.O3	-32768..32767		Word addr 40822
DS3.O1	DS12.O1	-32768..32767		Word addr 40823
DS3.O2	DS12.O2	-32768..32767		Word addr 40824
DS3.O3	DS12.O3	-32768..32767		Word addr 40825
DS5.O1	DS14.O1	-32768..32767		Word addr 40826
DS5.O2	DS14.O2	-32768..32767		Word addr 40827
DS5.O3	DS14.O3	-32768..32767		Word addr 40828
DS7.O1	DS16.O1	-32768..32767		Word addr 40829
DS7.O2	DS16.O2	-32768..32767		Word addr 40830
DS7.O3	DS16.O3	-32768..32767		Word addr 40831
DS9.O1	DS18.O1	-32768..32767		Word addr 40832
DS9.O2	DS18.O2	-32768..32767		Word addr 40833
DS9.O3	DS18.O3	-32768..32767		Word addr 40834
DS11.O1	DS20.O1	-32768..32767		Word addr 40835
DS11.O2	DS20.O2	-32768..32767		Word addr 40836
DS11.O3	DS20.O3	-32768..32767		Word addr 40837
DS13.O1	DS22.O1	-32768..32767		Word addr 40838
DS13.O2	DS22.O2	-32768..32767		Word addr 40839
DS13.O3	DS22.O3	-32768..32767		Word addr 40840

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DDCS Node 21 Signal list ModuleBus – Modbus TCP

AC80 Data	AC80 Data	Value	Logged data to ModbusTCP	Modbus TCP data
First DS=1	**First DS =10**		⟶	
DS1.I1	DS10.I1	-32768..32767	Data from SLAVE to AC80	Word addr 40841
DS1.I2	DS10.I2	-32768..32767		Word addr 40842
DS1.I3	DS10.I3	-32768..32767		Word addr 40843
DS3.I1	DS12.I1	-32768..32767		Word addr 40844
DS3.I2	DS12.I2	-32768..32767		Word addr 40845
DS3.I3	DS12.I3	-32768..32767		Word addr 40846
DS5.I1	DS14.I1	-32768..32767		Word addr 40847
DS5.I2	DS14.I2	-32768..32767		Word addr 40848
DS5.I3	DS14.I3	-32768..32767		Word addr 40849
DS7.I1	DS16.I1	-32768..32767		Word addr 40855
DS7.I2	DS16.I2	-32768..32767		Word addr 40851
DS7.I3	DS16.I3	-32768..32767		Word addr 40852
DS9.I1	DS18.I1	-32768..32767		Word addr 40853
DS9.I2	DS18.I2	-32768..32767		Word addr 40854
DS9.I3	DS18.I3	-32768..32767		Word addr 40855
DS11.I1	DS20.I1	-32768..32767		Word addr 40856
DS11.I2	DS20.I2	-32768..32767		Word addr 40857
DS11.I3	DS20.I3	-32768..32767		Word addr 40858
DS13.I1	DS22.I1	-32768..32767		Word addr 40859
DS13.I2	DS22.I2	-32768..32767		Word addr 40860
DS13.I3	DS22.I3	-32768..32767		Word addr 40861
DS1.O1	DS10.O1	-32768..32767	Data from AC80 to SLAVE	Word addr 40862
DS1.O2	DS10.O2	-32768..32767		Word addr 40863
DS1.O3	DS10.O3	-32768..32767		Word addr 40864
DS3.O1	DS12.O1	-32768..32767		Word addr 40865
DS3.O2	DS12.O2	-32768..32767		Word addr 40866
DS3.O3	DS12.O3	-32768..32767		Word addr 40867
DS5.O1	DS14.O1	-32768..32767		Word addr 40868
DS5.O2	DS14.O2	-32768..32767		Word addr 40869
DS5.O3	DS14.O3	-32768..32767		Word addr 40870
DS7.O1	DS16.O1	-32768..32767		Word addr 40871
DS7.O2	DS16.O2	-32768..32767		Word addr 40872
DS7.O3	DS16.O3	-32768..32767		Word addr 40873
DS9.O1	DS18.O1	-32768..32767		Word addr 40874
DS9.O2	DS18.O2	-32768..32767		Word addr 40875
DS9.O3	DS18.O3	-32768..32767		Word addr 40876
DS11.O1	DS20.O1	-32768..32767		Word addr 40877
DS11.O2	DS20.O2	-32768..32767		Word addr 40878
DS11.O3	DS20.O3	-32768..32767		Word addr 40879
DS13.O1	DS22.O1	-32768..32767		Word addr 40880
DS13.O2	DS22.O2	-32768..32767		Word addr 40881
DS13.O3	DS22.O3	-32768..32767		Word addr 40882

DDCS Node 22 Signal list ModuleBus – Modbus TCP

AC80 Data	AC80 Data	Value	Logged data to ModbusTCP	Modbus TCP data
First DS=1	**First DS =10**		⟶	
DS1.I1	DS10.I1	-32768..32767	Data from SLAVE to AC80	Word addr 40883
DS1.I2	DS10.I2	-32768..32767		Word addr 40884
DS1.I3	DS10.I3	-32768..32767		Word addr 40885
DS3.I1	DS12.I1	-32768..32767		Word addr 40886
DS3.I2	DS12.I2	-32768..32767		Word addr 40887
DS3.I3	DS12.I3	-32768..32767		Word addr 40888
DS5.I1	DS14.I1	-32768..32767		Word addr 40889
DS5.I2	DS14.I2	-32768..32767		Word addr 40890
DS5.I3	DS14.I3	-32768..32767		Word addr 40891
DS7.I1	DS16.I1	-32768..32767		Word addr 40892
DS7.I2	DS16.I2	-32768..32767		Word addr 40893
DS7.I3	DS16.I3	-32768..32767		Word addr 40894
DS9.I1	DS18.I1	-32768..32767		Word addr 40895
DS9.I2	DS18.I2	-32768..32767		Word addr 40896
DS9.I3	DS18.I3	-32768..32767		Word addr 40897
DS11.I1	DS20.I1	-32768..32767		Word addr 40898
DS11.I2	DS20.I2	-32768..32767		Word addr 40899
DS11.I3	DS20.I3	-32768..32767		Word addr 40900
DS13.I1	DS22.I1	-32768..32767		Word addr 40901
DS13.I2	DS22.I2	-32768..32767		Word addr 40902
DS13.I3	DS22.I3	-32768..32767		Word addr 40903
DS1.O1	DS10.O1	-32768..32767	Data from AC80 to SLAVE	Word addr 40904
DS1.O2	DS10.O2	-32768..32767		Word addr 40905
DS1.O3	DS10.O3	-32768..32767		Word addr 40906
DS3.O1	DS12.O1	-32768..32767		Word addr 40907
DS3.O2	DS12.O2	-32768..32767		Word addr 40908
DS3.O3	DS12.O3	-32768..32767		Word addr 40909
DS5.O1	DS14.O1	-32768..32767		Word addr 40910
DS5.O2	DS14.O2	-32768..32767		Word addr 40911
DS5.O3	DS14.O3	-32768..32767		Word addr 40912
DS7.O1	DS16.O1	-32768..32767		Word addr 40913
DS7.O2	DS16.O2	-32768..32767		Word addr 40914
DS7.O3	DS16.O3	-32768..32767		Word addr 40915
DS9.O1	DS18.O1	-32768..32767		Word addr 40916
DS9.O2	DS18.O2	-32768..32767		Word addr 40917
DS9.O3	DS18.O3	-32768..32767		Word addr 40918
DS11.O1	DS20.O1	-32768..32767		Word addr 40919
DS11.O2	DS20.O2	-32768..32767		Word addr 40920
DS11.O3	DS20.O3	-32768..32767		Word addr 40921
DS13.O1	DS22.O1	-32768..32767		Word addr 40922
DS13.O2	DS22.O2	-32768..32767		Word addr 40923
DS13.O3	DS22.O3	-32768..32767		Word addr 40924

DDCS Node 23 Signal list ModuleBus – Modbus TCP

AC80 Data	AC80 Data	Value	Logged data to ModbusTCP	Modbus TCP data
First DS=1	**First DS =10**		⟶	
DS1.I1	DS10.I1	-32768..32767	Data from SLAVE to AC80	Word addr 40925
DS1.I2	DS10.I2	-32768..32767		Word addr 40926
DS1.I3	DS10.I3	-32768..32767		Word addr 40927
DS3.I1	DS12.I1	-32768..32767		Word addr 40928
DS3.I2	DS12.I2	-32768..32767		Word addr 40929
DS3.I3	DS12.I3	-32768..32767		Word addr 40930
DS5.I1	DS14.I1	-32768..32767		Word addr 40931
DS5.I2	DS14.I2	-32768..32767		Word addr 40932
DS5.I3	DS14.I3	-32768..32767		Word addr 40933
DS7.I1	DS16.I1	-32768..32767		Word addr 40934
DS7.I2	DS16.I2	-32768..32767		Word addr 40935
DS7.I3	DS16.I3	-32768..32767		Word addr 40936
DS9.I1	DS18.I1	-32768..32767		Word addr 40937
DS9.I2	DS18.I2	-32768..32767		Word addr 40938
DS9.I3	DS18.I3	-32768..32767		Word addr 40939
DS11.I1	DS20.I1	-32768..32767		Word addr 40940
DS11.I2	DS20.I2	-32768..32767		Word addr 40941
DS11.I3	DS20.I3	-32768..32767		Word addr 40942
DS13.I1	DS22.I1	-32768..32767		Word addr 40943
DS13.I2	DS22.I2	-32768..32767		Word addr 40944
DS13.I3	DS22.I3	-32768..32767		Word addr 40945
DS1.O1	DS10.O1	-32768..32767	Data from AC80 to SLAVE	Word addr 40946
DS1.O2	DS10.O2	-32768..32767		Word addr 40947
DS1.O3	DS10.O3	-32768..32767		Word addr 40948
DS3.O1	DS12.O1	-32768..32767		Word addr 40949
DS3.O2	DS12.O2	-32768..32767		Word addr 40950
DS3.O3	DS12.O3	-32768..32767		Word addr 40951
DS5.O1	DS14.O1	-32768..32767		Word addr 40952
DS5.O2	DS14.O2	-32768..32767		Word addr 40953
DS5.O3	DS14.O3	-32768..32767		Word addr 40954
DS7.O1	DS16.O1	-32768..32767		Word addr 40955
DS7.O2	DS16.O2	-32768..32767		Word addr 40956
DS7.O3	DS16.O3	-32768..32767		Word addr 40957
DS9.O1	DS18.O1	-32768..32767		Word addr 40958
DS9.O2	DS18.O2	-32768..32767		Word addr 40959
DS9.O3	DS18.O3	-32768..32767		Word addr 40960
DS11.O1	DS20.O1	-32768..32767		Word addr 40961
DS11.O2	DS20.O2	-32768..32767		Word addr 40962
DS11.O3	DS20.O3	-32768..32767		Word addr 40963
DS13.O1	DS22.O1	-32768..32767		Word addr 40964
DS13.O2	DS22.O2	-32768..32767		Word addr 40965
DS13.O3	DS22.O3	-32768..32767		Word addr 40966

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DDCS Node 24 Signal list ModuleBus – Modbus TCP

AC80 Data	AC80 Data	Value	Logged data to ModbusTCP	Modbus TCP data
First DS=1	**First DS =10**		→	
DS1.I1	DS10.I1	-32768..32767	Data from SLAVE to AC80	Word addr 40967
DS1.I2	DS10.I2	-32768..32767		Word addr 40968
DS1.I3	DS10.I3	-32768..32767		Word addr 40969
DS3.I1	DS12.I1	-32768..32767		Word addr 40970
DS3.I2	DS12.I2	-32768..32767		Word addr 40971
DS3.I3	DS12.I3	-32768..32767		Word addr 40972
DS5.I1	DS14.I1	-32768..32767		Word addr 40973
DS5.I2	DS14.I2	-32768..32767		Word addr 40974
DS5.I3	DS14.I3	-32768..32767		Word addr 40975
DS7.I1	DS16.I1	-32768..32767		Word addr 40976
DS7.I2	DS16.I2	-32768..32767		Word addr 40977
DS7.I3	DS16.I3	-32768..32767		Word addr 40978
DS9.I1	DS18.I1	-32768..32767		Word addr 40979
DS9.I2	DS18.I2	-32768..32767		Word addr 40980
DS9.I3	DS18.I3	-32768..32767		Word addr 40981
DS11.I1	DS20.I1	-32768..32767		Word addr 40982
DS11.I2	DS20.I2	-32768..32767		Word addr 40983
DS11.I3	DS20.I3	-32768..32767		Word addr 40984
DS13.I1	DS22.I1	-32768..32767		Word addr 40985
DS13.I2	DS22.I2	-32768..32767		Word addr 40986
DS13.I3	DS22.I3	-32768..32767		Word addr 40987
DS1.O1	DS10.O1	-32768..32767	Data from AC80 to SLAVE	Word addr 40988
DS1.O2	DS10.O2	-32768..32767		Word addr 40989
DS1.O3	DS10.O3	-32768..32767		Word addr 40990
DS3.O1	DS12.O1	-32768..32767		Word addr 40991
DS3.O2	DS12.O2	-32768..32767		Word addr 40992
DS3.O3	DS12.O3	-32768..32767		Word addr 40993
DS5.O1	DS14.O1	-32768..32767		Word addr 40994
DS5.O2	DS14.O2	-32768..32767		Word addr 40995
DS5.O3	DS14.O3	-32768..32767		Word addr 40996
DS7.O1	DS16.O1	-32768..32767		Word addr 40997
DS7.O2	DS16.O2	-32768..32767		Word addr 40998
DS7.O3	DS16.O3	-32768..32767		Word addr 40999
DS9.O1	DS18.O1	-32768..32767		Word addr 41000
DS9.O2	DS18.O2	-32768..32767		Word addr 41001
DS9.O3	DS18.O3	-32768..32767		Word addr 41002
DS11.O1	DS20.O1	-32768..32767		Word addr 41003
DS11.O2	DS20.O2	-32768..32767		Word addr 41004
DS11.O3	DS20.O3	-32768..32767		Word addr 41005
DS13.O1	DS22.O1	-32768..32767		Word addr 41006
DS13.O2	DS22.O2	-32768..32767		Word addr 41007
DS13.O3	DS22.O3	-32768..32767		Word addr 41008

Status signals ModuleBus – Modbus TCP

Status byte	Status to ModbusTCP	Modbus TCP data
0=No comm. 1=Master poll,3=Master poll and Slave answer	→	This is the Default addr Can be changed from Service program.
Node 1 (bit 0, 1) Node 2 bit (2, 3)		Word addr 41009
Node 3 (bit 4, 5) Node 4 bit (6, 7)		
Node 5 (bit 8, 9) Node 6 bit (10,11)		
Node 7 (bit12,13) Node 8 bit (14,15)		
Node 9(bit 0, 1) Node 10 bit (2, 3)		Word addr 41010
Node 11(bit 4, 5) Node 12 bit (6, 7)		
Node 13(bit 8, 9) Node 14 bit (10,11)		
Node 15(bit12,13) Node 16 bit (14,15)		
Node 17(bit 0, 1) Node 18 bit (2, 3)		Word addr 41011
Node 19(bit 4, 5) Node 20 bit (6, 7)		
Node 21(bit 8, 9)) Node 22 bit (10, 11)		
Node 23(bit 12, 13)) Node 24 bit (14, 15)		
Display value of RS232 RX signal.		Word addr 41016
Timer (incrementing +1 each 10ms)		Word addr 41017
PE1364B24 type (24 and Version)	05	Word addr 41018 Low byte
Cardtype =24 for PE1364B24	24	Word addr 41018 Low byte

SYNCH INPUT Signal.

From ModbusTCP it is possible to Read status on RS232 RX (PIN 3).
SYNCH INPUT signal max 12V and min –12V.
0V INPUT on PIN 5 in the RS232 connector
Signal goes from 0 to 1 approx at input level of +1,4V.
Signal can be read at 41016 bit number 0.

Node 1, Signal mapping when acting as Slave on DDCS, only for node 1-8

AC80 Data ,Start DS1	AC80 Data,Start DS10	Value	Data from ModbusTCP	Modbus TCP data
DS1.I1	DS10.I1	-32768..32767	**Data to AC80**	Word addr 41025
DS1.I2	DS10.I2	-32768..32767		Word addr 41026
DS1.I3	DS10.I3	-32768..32767		Word addr 41027
DS3.I1	DS12.I1	-32768..32767		Word addr 41028
DS3.I2	DS12.I2	-32768..32767		Word addr 41029
DS3.I3	DS12.I3	-32768..32767		Word addr 41030
DS5.I1	DS14.I1	-32768..32767		Word addr 41031
DS5.I2	DS14.I2	-32768..32767		Word addr 41032
DS5.I3	DS14.I3	-32768..32767		Word addr 41033
DS7.I1	DS16.I1	-32768..32767		Word addr 41034
DS7.I2	DS16.I2	-32768..32767		Word addr 41035
DS7.I3	DS16.I3	-32768..32767		Word addr 41036
DS9.I1	DS18.I1	-32768..32767		Word addr 41037
DS9.I2	DS18.I2	-32768..32767		Word addr 41038
DS9.I3	DS18.I3	-32768..32767		Word addr 41039
DS11.I1	DS20.I1	-32768..32767		Word addr 41040
DS11.I2	DS20.I2	-32768..32767		Word addr 41041
DS11.I3	DS20.I3	-32768..32767		Word addr 41042
DS13.I1	DS22.I1	-32768..32767		Word addr 41043
DS13.I2	DS22.I2	-32768..32767		Word addr 41044
DS13.I3	DS22.I3	-32768..32767		Word addr 41045

Node 2, Signal mapping when acting as Slave on DDCS, only for node 1-8

AC80 Data ,Start DS1	AC80 Data,Start DS10	Value	Data from ModbusTCP	Modbus TCP data
DS1.I1	DS10.I1	-32768..32767	**Data to AC80**	Word addr 41046
DS1.I2	DS10.I2	-32768..32767		Word addr 41047
DS1.I3	DS10.I3	-32768..32767		Word addr 41048
DS3.I1	DS12.I1	-32768..32767		Word addr 41049
DS3.I2	DS12.I2	-32768..32767		Word addr 41050
DS3.I3	DS12.I3	-32768..32767		Word addr 41051
DS5.I1	DS14.I1	-32768..32767		Word addr 41052
DS5.I2	DS14.I2	-32768..32767		Word addr 41053
DS5.I3	DS14.I3	-32768..32767		Word addr 41054
DS7.I1	DS16.I1	-32768..32767		Word addr 41055
DS7.I2	DS16.I2	-32768..32767		Word addr 41056
DS7.I3	DS16.I3	-32768..32767		Word addr 41057
DS9.I1	DS18.I1	-32768..32767		Word addr 41058
DS9.I2	DS18.I2	-32768..32767		Word addr 41059
DS9.I3	DS18.I3	-32768..32767		Word addr 41060
DS11.I1	DS20.I1	-32768..32767		Word addr 41061
DS11.I2	DS20.I2	-32768..32767		Word addr 41062
DS11.I3	DS20.I3	-32768..32767		Word addr 41063
DS13.I1	DS22.I1	-32768..32767		Word addr 41064
DS13.I2	DS22.I2	-32768..32767		Word addr 41065
DS13.I3	DS22.I3	-32768..32767		Word addr 41066

Node 3, Signal mapping when acting as Slave on DDCS, only for node 1-8

AC80 Data ,Start DS1	AC80 Data,Start DS10	Value	Data from ModbusTCP	Modbus TCP data
DS1.I1	DS10.I1	-32768..32767	**Data to AC80**	Word addr 41067
DS1.I2	DS10.I2	-32768..32767		Word addr 41068
DS1.I3	DS10.I3	-32768..32767		Word addr 41069
DS3.I1	DS12.I1	-32768..32767		Word addr 41070
DS3.I2	DS12.I2	-32768..32767		Word addr 41071
DS3.I3	DS12.I3	-32768..32767		Word addr 41072
DS5.I1	DS14.I1	-32768..32767		Word addr 41073
DS5.I2	DS14.I2	-32768..32767		Word addr 41074
DS5.I3	DS14.I3	-32768..32767		Word addr 41075
DS7.I1	DS16.I1	-32768..32767		Word addr 41076
DS7.I2	DS16.I2	-32768..32767		Word addr 41077
DS7.I3	DS16.I3	-32768..32767		Word addr 41078
DS9.I1	DS18.I1	-32768..32767		Word addr 41079
DS9.I2	DS18.I2	-32768..32767		Word addr 41080
DS9.I3	DS18.I3	-32768..32767		Word addr 41081
DS11.I1	DS20.I1	-32768..32767		Word addr 41082
DS11.I2	DS20.I2	-32768..32767		Word addr 41083
DS11.I3	DS20.I3	-32768..32767		Word addr 41084
DS13.I1	DS22.I1	-32768..32767		Word addr 41085
DS13.I2	DS22.I2	-32768..32767		Word addr 41086
DS13.I3	DS22.I3	-32768..32767		Word addr 41087

Node 4, Signal mapping when acting as Slave on DDCS, only for node 1-8

AC80 Data ,Start DS1	AC80 Data,Start DS10	Value	Data from ModbusTCP	Modbus TCP data
DS1.I1	DS10.I1	-32768..32767	**Data to AC80**	Word addr 41088
DS1.I2	DS10.I2	-32768..32767		Word addr 41089
DS1.I3	DS10.I3	-32768..32767		Word addr 41090
DS3.I1	DS12.I1	-32768..32767		Word addr 41091
DS3.I2	DS12.I2	-32768..32767		Word addr 41092
DS3.I3	DS12.I3	-32768..32767		Word addr 41093
DS5.I1	DS14.I1	-32768..32767		Word addr 41094
DS5.I2	DS14.I2	-32768..32767		Word addr 41095
DS5.I3	DS14.I3	-32768..32767		Word addr 41096
DS7.I1	DS16.I1	-32768..32767		Word addr 41097
DS7.I2	DS16.I2	-32768..32767		Word addr 41098
DS7.I3	DS16.I3	-32768..32767		Word addr 41099
DS9.I1	DS18.I1	-32768..32767		Word addr 41100
DS9.I2	DS18.I2	-32768..32767		Word addr 41101
DS9.I3	DS18.I3	-32768..32767		Word addr 41102
DS11.I1	DS20.I1	-32768..32767		Word addr 41103
DS11.I2	DS20.I2	-32768..32767		Word addr 41104
DS11.I3	DS20.I3	-32768..32767		Word addr 41105
DS13.I1	DS22.I1	-32768..32767		Word addr 41106
DS13.I2	DS22.I2	-32768..32767		Word addr 41107
DS13.I3	DS22.I3	-32768..32767		Word addr 41108

Node 5, Signal mapping when acting as Slave on DDCS, only for node 1-8

AC80 Data ,Start DS1	AC80 Data,Start DS10	Value	Data from ModbusTCP	Modbus TCP data
DS1.I1	DS10.I1	-32768..32767	**Data to AC80**	Word addr 41109
DS1.I2	DS10.I2	-32768..32767		Word addr 41110
DS1.I3	DS10.I3	-32768..32767		Word addr 41111
DS3.I1	DS12.I1	-32768..32767		Word addr 41112
DS3.I2	DS12.I2	-32768..32767		Word addr 41113
DS3.I3	DS12.I3	-32768..32767		Word addr 41114
DS5.I1	DS14.I1	-32768..32767		Word addr 41115
DS5.I2	DS14.I2	-32768..32767		Word addr 41116
DS5.I3	DS14.I3	-32768..32767		Word addr 41117
DS7.I1	DS16.I1	-32768..32767		Word addr 41118
DS7.I2	DS16.I2	-32768..32767		Word addr 41119
DS7.I3	DS16.I3	-32768..32767		Word addr 41120
DS9.I1	DS18.I1	-32768..32767		Word addr 41121
DS9.I2	DS18.I2	-32768..32767		Word addr 41122
DS9.I3	DS18.I3	-32768..32767		Word addr 41123
DS11.I1	DS20.I1	-32768..32767		Word addr 41124
DS11.I2	DS20.I2	-32768..32767		Word addr 41125
DS11.I3	DS20.I3	-32768..32767		Word addr 41126
DS13.I1	DS22.I1	-32768..32767		Word addr 41127
DS13.I2	DS22.I2	-32768..32767		Word addr 41128
DS13.I3	DS22.I3	-32768..32767		Word addr 41129

Node 6, Signal mapping when acting as Slave on DDCS, only for node 1-8

AC80 Data ,Start DS1	AC80 Data,Start DS10	Value	Data from ModbusTCP	Modbus TCP data
DS1.I1	DS10.I1	-32768..32767	**Data to AC80**	Word addr 41130
DS1.I2	DS10.I2	-32768..32767		Word addr 41131
DS1.I3	DS10.I3	-32768..32767		Word addr 41132
DS3.I1	DS12.I1	-32768..32767		Word addr 41133
DS3.I2	DS12.I2	-32768..32767		Word addr 41134
DS3.I3	DS12.I3	-32768..32767		Word addr 41135
DS5.I1	DS14.I1	-32768..32767		Word addr 41136
DS5.I2	DS14.I2	-32768..32767		Word addr 41137
DS5.I3	DS14.I3	-32768..32767		Word addr 41138
DS7.I1	DS16.I1	-32768..32767		Word addr 41139
DS7.I2	DS16.I2	-32768..32767		Word addr 41140
DS7.I3	DS16.I3	-32768..32767		Word addr 41141
DS9.I1	DS18.I1	-32768..32767		Word addr 41142
DS9.I2	DS18.I2	-32768..32767		Word addr 41143
DS9.I3	DS18.I3	-32768..32767		Word addr 41144
DS11.I1	DS20.I1	-32768..32767		Word addr 41145
DS11.I2	DS20.I2	-32768..32767		Word addr 41146
DS11.I3	DS20.I3	-32768..32767		Word addr 41147
DS13.I1	DS22.I1	-32768..32767		Word addr 41148
DS13.I2	DS22.I2	-32768..32767		Word addr 41149
DS13.I3	DS22.I3	-32768..32767		Word addr 41150

Node 7, Signal mapping when acting as Slave on DDCS, only for node 1-8

AC80 Data ,Start DS1	AC80 Data,Start DS10	Value	Data from ModbusTCP	Modbus TCP data
DS1.I1	DS10.I1	-32768..32767	**Data to AC80**	Word addr 41151
DS1.I2	DS10.I2	-32768..32767		Word addr 41152
DS1.I3	DS10.I3	-32768..32767		Word addr 41153
DS3.I1	DS12.I1	-32768..32767		Word addr 41154
DS3.I2	DS12.I2	-32768..32767		Word addr 41155
DS3.I3	DS12.I3	-32768..32767		Word addr 41156
DS5.I1	DS14.I1	-32768..32767		Word addr 41157
DS5.I2	DS14.I2	-32768..32767		Word addr 41158
DS5.I3	DS14.I3	-32768..32767		Word addr 41159
DS7.I1	DS16.I1	-32768..32767		Word addr 41160
DS7.I2	DS16.I2	-32768..32767		Word addr 41161
DS7.I3	DS16.I3	-32768..32767		Word addr 41162
DS9.I1	DS18.I1	-32768..32767		Word addr 41163
DS9.I2	DS18.I2	-32768..32767		Word addr 41164
DS9.I3	DS18.I3	-32768..32767		Word addr 41165
DS11.I1	DS20.I1	-32768..32767		Word addr 41166
DS11.I2	DS20.I2	-32768..32767		Word addr 41167
DS11.I3	DS20.I3	-32768..32767		Word addr 41168
DS13.I1	DS22.I1	-32768..32767		Word addr 41169
DS13.I2	DS22.I2	-32768..32767		Word addr 41170
DS13.I3	DS22.I3	-32768..32767		Word addr 41171

Node 8, Signal mapping when acting as Slave on DDCS, only for node 1-8

AC80 Data ,Start DS1	AC80 Data,Start DS10	Value	Data from ModbusTCP	Modbus TCP data
DS1.I1	DS10.I1	-32768..32767	**Data to AC80**	Word addr 41172
DS1.I2	DS10.I2	-32768..32767		Word addr 41173
DS1.I3	DS10.I3	-32768..32767		Word addr 41174
DS3.I1	DS12.I1	-32768..32767		Word addr 41175
DS3.I2	DS12.I2	-32768..32767		Word addr 41176
DS3.I3	DS12.I3	-32768..32767		Word addr 41177
DS5.I1	DS14.I1	-32768..32767		Word addr 41178
DS5.I2	DS14.I2	-32768..32767		Word addr 41179
DS5.I3	DS14.I3	-32768..32767		Word addr 41180
DS7.I1	DS16.I1	-32768..32767		Word addr 41181
DS7.I2	DS16.I2	-32768..32767		Word addr 41182
DS7.I3	DS16.I3	-32768..32767		Word addr 41183
DS9.I1	DS18.I1	-32768..32767		Word addr 41184
DS9.I2	DS18.I2	-32768..32767		Word addr 41185
DS9.I3	DS18.I3	-32768..32767		Word addr 41186
DS11.I1	DS20.I1	-32768..32767		Word addr 41187
DS11.I2	DS20.I2	-32768..32767		Word addr 41188
DS11.I3	DS20.I3	-32768..32767		Word addr 41189
DS13.I1	DS22.I1	-32768..32767		Word addr 41190
DS13.I2	DS22.I2	-32768..32767		Word addr 41191
DS13.I3	DS22.I3	-32768..32767		Word addr 41192

Signal mapping Synch OUT signal , Function is Active if DIP S1.5 is Off

TX signal in RS232	Value	Logged data to ModbusTCP	Modbus TCP data
PIN 2	0 or 1	SYNCH OUT data from ModbusTCP to TX port	Word addr 41025

SYNCH OUT Signal.
Same register 41025 are used for Data to Active slave.
From ModbusTCP it is possible to SET or RESET the TX output in the RS232 connector (PIN 2)
Set the SYNCH OUT (Word addr 41025) to 0 then RS232 TX signal goes to –8V.
Set the SYNCH OUT (Word addr 41025) to any value exept 0 then RS232 TX signal goes to +8V.

3. Firmware versions

Ver5 2010-05-14
Address for Status indication can be selected from the service program.

Ver4 2009-03-26
Slave offset address settings with DIP switch from 0-56.
Possible to use Service program on PC to change IP settings.

Ver3 2008-12-02
RS232 Synchronisation signals IN and OUT added. Possible to Read the SYNCH INPUT on ModbusTCP and possible to SET and Reset the Synch output Signal from ModbusTCP.
DIP Switch number SW1:5 is used to select Service program or the Synch signal.

Ver2 2008-09-02
Word swapping high and low byte corrected for active slave