



## INTERBUS Conformance Test

### Appendix ID Code Specification

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## Revision List

Index	Modification Date	Modification, Amendments
0.0	27.03.1991	Generation

## Data Width

Bit12	Bit11	Bit10	Bit9	Bit8	Data Width
0	0	0	0	0	0
0	0	0	0	1	1 word
0	0	0	1	0	2 words
0	0	0	1	1	3 words
0	0	1	0	0	4 words
0	0	1	0	1	5 words
0	0	1	1	0	8 words
0	0	1	1	1	9 words
0	1	0	0	0	1 nibble
0	1	0	0	1	1 byte
0	1	0	1	0	Reserved
0	1	0	1	1	3 byte
0	1	1	0	0	1 bit*)
0	1	1	0	1	2 bit*)
0	1	1	1	0	6 words
0	1	1	1	1	7 words
1	0	0	0	0	Reserved
1	0	0	0	1	26 words
1	0	0	1	0	16 words
1	0	0	1	1	24 words
1	0	1	0	0	32 words
1	0	1	0	1	10 words
1	0	1	1	0	12 words
1	0	1	1	1	14 words
1	1	X	X	X	Reserved

\*) At present, the controller boards (bus master) do not support this data width.

## ID Code Specification

### INTERBUS Remote Bus Devices

Description of the Module Functions		IDENT Code (dec)	IDENT Code (hex)
<b>Bus Terminal Module</b>			
BK with INTERBUS (local) bus branch	BK	4	04
BK with INTERBUS remote bus branch	BK	12	0C
<b>Remote Bus Device, Digital</b>			
Digital module with output data	DO	1	01
Digital module with input data	DI	2	02
Digital module with input and output data	DIO	3	03
ISO valve manifolds	ISO valve	5	05
<b>Remote Bus Device, Analog</b>			
Analog module with output data	AO	49	31
Analog module with input data	AI	50	32
Analog module with input and output data	AIO	51	33
ENCOM with input data	ENCOM	54	36
ENCOM with input and output data	ENCOM	55	37
<b>Remote Bus Device with Parameter Channel</b>			
Module with parameter channel (2 PCP words)	PA channel	240	F0
Module with parameter channel (4 PCP words)	PA channel	241	F1
Module with parameter channel (1 PCP word)	PA channel	243	F3
DRIVECOM (2 PCP words)	DRIVECOM	224	E0
DRIVECOM (4 PCP words)	DRIVECOM	225	E1
DRIVECOM (1 PCP word)	DRIVECOM	227	E3
SYSTEM Coupler (2 PCP words)	SYSTEM COUPLER	232	E8
SYSTEM Coupler (4 PCP words)	SYSTEM COUPLER	233	E9
SYSTEM Coupler (1 PCP word)	SYSTEM COUPLER	235	EB
<b>Remote Bus Device with Special Functionality</b>			
"µP_Not_Ready" (with register locking) remote bus	Special	56	38
"µP_Not_Ready" (without register locking) remote bus *)	Special	60	3C

## INTERBUS Local Bus Devices

Description of the Module Functions		IDENT Code (dec)	IDENT Code (hex)
<b>Local Bus Device, Digital</b>			
Digital module with output data	DO	189	BD
Digital module with input data	DI	190	BE
Digital module with input and output data	DIO	191	BF
Wrenching controllers	Wrenching contr.	187	BB
<b>Local Bus Device, Analog</b>			
Analog modules with output data	AO	125	7D
Analog modules with input data	AI	126	7E
Analog modules with input and output data	AIO	127	7F
Analog modules with analog output data and Digital parameter data	AO <sup>2</sup> I	91	5B
Analog modules with analog input data and Digital parameter data	AI <sup>2</sup> O	95	5F
Analog modules with analog input and analog output data and Digital parameter data	AI <sup>2</sup> O <sup>2</sup>	83	53
ENCOM with input data	ENCOM	102	66
ENCOM with input and output data	ENCOM	103	67
<b>Local Bus Devices with Parameter Channel</b>			
Modules with parameter channel (2 PCP words)	PA channel	220	DC
Modules with parameter channel (4 PCP words)	PA channel	221	DD
Modules with parameter channel (1 PCP word)	PA channel	223	DF
DRIVECOM (2 PCP words)	DRIVECOM	192	C0
DRIVECOM (4 PCP words)	DRIVECOM	193	C1
DRIVECOM (1 PCP word)	DRIVECOM	195	C3
SYSTEM Coupler (2 PCP words)	SYSTEM COUPLER	204	CC
SYSTEM Coupler (4 PCP words)	SYSTEM COUPLER	205	CD
SYSTEM Coupler (1 PCP word)	SYSTEM COUPLER	207	CF
<b>Local Bus Device with Special Functionality</b>			
"μP_Not_Ready" (with register locking), local bus	Special	120	78
"μP_Not_Ready" (without register locking), local bus *)	Special	108	6C

## INTERBUS Loop Devices

Description of the Module Functions		IDENT Code (dec)	IDENT Code (hex)
<b>INTERBUS Loop Bus Device, Digital</b>			
Digital module with output data	DO-IBS Loop	177	B1
Digital module with input data	DI-IBS Loop	178	B2
Digital module with input and output data	DIO-IBS Loop	179	B3
<b>INTERBUS Loop Bus Device, Analog</b>			
Analog modules with output data	AO-IBS Loop	113	71
Analog modules with input data	AI-IBS Loop	114	72
Analog modules with input and output data	AIO-IBS Loop	115	73
Analog modules with analog output data and Digital parameter data	AO <sup>2</sup> I Loop	107	6B
Analog modules with analog input data and Digital parameter data	AI <sup>2</sup> O Loop	111	6F
Analog modules with analog input and analog output data and Digital parameter data	AI <sup>2</sup> O <sup>2</sup> Loop	99	63
<b>INTERBUS Loop Bus Devices with Parameter Channel</b>			
modules with parameter channel (2 PCP words)	PA channel Loop	208	D0
modules with parameter channel (4 PCP words)	PA channel Loop	209	D1
modules with parameter channel (1 PCP word)	PA channel Loop	211	D3
<b>INTERBUS Loop Bus Device with Special Functionality</b>			
"μP_Not_Ready" (with register locking), local bus	Special Loop	120	78
"μP_Not_Ready" (without register locking), local bus *)	Special Loop	108	6C
<b>INTERBUS Loop Bus Device with Special Functionality</b>			
"μP_Not_Ready" (with register locking), local bus	Special Loop	104	68

\*) The use of this ID-Code must be approved by the INTERBUS Club

The process data channel for all PCP devices is interpreted independently from its use as a digital in input/output

## Additions

If a device cannot be assigned a unique ID code, or if a completely new function is implemented, please send a short written explanation to the INTERBUS Club. Our technical experts will work together with you to find a solution.