

PCD6.M100/M210/M220/M230/M250/M260

Features	Comments	P100 ≥ V.	P300 ≥ V.	P400 ≥ V.	FW ≥ V.	HW ≥ V.	Remarks
1.	<u>New instructions</u>						
CPBI	Call Program Block Indirect	003	1.7	1.4	007	x	
DEFTR	Define Timer Resolution	---	---	---	---	---	not implemented
PID	Instruction has been rewritten	---	---	---	---	---	not corrected, only the
	Selection of the old algorithm	---	---	---	---	---	old algorithm is used
SASII	New indirect instruction	---	---	---	---	---	not implemented
SYSCMP	System Compare	---	---	---	---	---	not implemented
SYSRD	System Read	---	---	---	---	---	not implemented
SYSWR	System Write	---	---	---	---	---	not implemented
TEST	New Test instruction	003	1.9	1.4	009	x	
TFR	Transfer Data	003	1.7	1.4	007	x	Data Blocks and Texts
TFRI	Transfer Data Indirect	003	1.9	1.4	009	x	Data Blocks and Texts
2.	<u>Memory extension</u>						
Data Block	Put and Get (transfer media)	002	1.5	1.4	005	x	see also Texts
	0...3999, up to 383 registers	003	1.5	1.4	008	x	
	4000 to 7999, up to 16 KByte	003	1.8	1.4	008	C	with PCD6.R210/R600
	Transfer of DB's over S-BUS	----	1.9	1.4	009	x	
Memory	Extension : up to 1 MByte	003	1.7	1.21	007	C	with PCD6.R210/R600
	Memory extension security	003	1.8	1.4	008	C	for DB's structure
Texts	Put and Get (transfer media)	002	1.5	1.4	005	x	see also Data Blocks
TFR	Transfer Data (new inst.)	003	1.7	1.4	007	x	see new instructions
TFRI	New indirect instruction	003	1.9	1.4	009	x	see new instructions
3.	<u>Communication</u>						
S-BUS	Level 1 up to 38.4 KBd	---	1.7	1.21	007	x	
	Level 2 up to 38.4 KBd	---	1.7	1.21	007	x	PCD8.K111 required
	up to 38.4 KBd optimised	---	---	---	---	---	not implemented
	Broadcasting PCD as master	---	1.6	1.21	008	x	
	Broadcasting PC as master	---	1.9	1.21	008	x	with the Debugger
	Data Mode	---	---	---	---	---	not implemented
	Download Configuration	---	---	---	---	---	not implemented
	Gateway	---	1.9	1.3	009	x	
	Modem : Private line	---	1.7	1.21	007	x	
	Public line	---	1.7	1.3	007	x	
	Reset/Init string	---	1.9	1.3	009	x	
	Modem +	---	1.9	1.3	009	x	
	Radio modem up to 4'800 Bd	---	1.9	1.21	009	x	TFUL mechanism
	RIO functionality	---	---	---	---	---	not implemented
	SRXM extension	003	1.9	1.4	009	x	read system info slave
	STXMI and SRXMI	003	1.9	1.4	009	x	to transfer DB's
	Write station number (Debug.)	003	1.9	1.21	009	x	
	XOB 17,18,19	---	1.9	1.4	009	x	

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3.	<u>Communication</u> (continued)						
LAN2	Only with co-processor T1..	002	1.6	1.4	007	x	PCD6.T1.. with V005
LON	Interface PCD7.F8x0	---	---	---	---	---	not implemented
MC4	Character Mode for RS 485	002	1.5	1.4	005	x	PCD6.M120 - Port 0
MD/SD	Master/slave (full duplex)	002	1.2	1.21	003	x	
MM4	LAC network (Compex)	002	1.5	1.4	005	x	
PROFIBUS	DP : master	---	---	---	---	---	not implemented
	slave	---	---	---	---	---	not implemented
	FMS : only with PCD7.F700	---	---	---	---	---	not implemented
	all indirect instructions	---	---	---	---	---	not implemented
	new functions	---	---	---	---	---	not implemented
	FMS + (GA profile)	---	---	---	---	---	not implemented
4.	<u>General</u>						
Download	Improvement of the procedure	---	---	---	---	---	not implemented
EEPROM	Configuration memory	---	---	---	---	---	not implemented
Error Flag	New Error Flag concept	N/A	N/A	N/A	00A	x	partially only
Flash EPROM	User program : Up to 1 MBit	---	---	---	---	---	not implemented in the public memory R2/R6
	Up to 4 MBit	---	---	---	---	---	
Graftec	2'000 steps and transitions	002	1.5	1.21	005	x	> 25 sequential blocks if step call do not exist
	RSB instruction corrected	002	1.5	1.21	006	x	
	RSB instruction corrected	002	1.5	1.21	009	x	
History	Improvement of the History list	002	1.5	1.21	005	x	more diagnostic info.
Interrupt	XOB 20 and XOB 25	---	---	---	---	---	not implemented
Password		003	1.9	1.3	009	x	
RTC	Calculation of nb. of week/day	N/A	N/A	N/A	00A	x	independent of WTIME
Startup	New Startup routine	N/A	N/A	N/A	00A	x	compatibility with M300
User progr.	Up to 1 MByte (8x1 MBit)	003	1.7	1.21	007	C	RAM/EPROM => R6..
XOB	Priority Mechanism (4 levels)	N/A	N/A	N/A	009	x	level 4 is the highest
XOB 7	System Overload for XOB's	---	---	---	---	---	not implemented
XOB 14/15	see instruction SYSWR	---	---	---	---	---	not implemented

- X not depending of the hardware version.
N/A not applicable : version number is not relevant for this feature.
1. used always the latest firmware version of the PCD8.P100 (V003 - September 1996).
2. used always the latest firmware version of the PCD8.P800 (V004 - June 1993).
3. PCD8.P800 with firmware V004 is needed to be able to use all S-BUS facilities.
4. take care at the FW compatibility if you use a PCD6.M1/2 in combination with PCD6.M3 !