PSB	E 9	000	re	gis	ter	list for devices with KE firmware from V2.24 (star	ndar	d) (che	ck the	inst	alled version in your device's MENU in item INFO HW,	sw)		Ī
		s (0x03)	<u></u>	(90×0)	rs (0x10)								t subslot	x in slot
ress	(0×01)	reç	0XO)	register (le registe				n bytes	egisters			rofibus slot / Profinet subslot	Profibus/Profinet index in EtherCAT SDO/PDO?
bus addr	d coils (0		single	single r	e multipl		sseco	Data type	length i	ber of re			bus slot	bus/Prof
Mod	Read	×	Write	Write		Description Device class	R	uint(16)			Data	Example 64 = PSBE 9000 Series	<u> </u>	о v
21 41		x x				Device byse Manufacturer Manufacturer address	R R R	char char char	40 40	20	ASCII ASCII ASCII	PSBE 9080-360	1 1	1 x 2 x 3 x
61 81 101		x x				Manufacturer ZIP code Manufacturer phone number Manufacturer website	R R	char char char	40 40	20	ASCII ASCII		1 1	4 x 5 x 6 x
121 123 125		x x	_			kominal voltage kominal current kominal power	R R		4 4	2	Floating point number IEEE754 Floating point number IEEE754 Floating point number IEEE754	80 360 15000	1 1	7 x 8 x 9 x
127 129 131		x x	1			Max. Internal resistance Mint. Internal resistance Article no.	R R	float float char	4	2	Floating point number IEEE754 Floating point number IEEE754 ASCII	10 0.006 30000325	-1	10 x 11 x 12 x
151 171		x	_		х	Serial no. Jser text	RW	char char	40 40	20 20	ASCII ASCII	1234560001	1	13 x 14 x
191 211 231		x x				irmware version (KE) irmware version (HMI) irmware version (DR)	R R	char char char	40	20	ASCII ASCII ASCII		1	15 x 16 x 17 x
402 405	x		x x			Remote mode DC output/input	RW	uint(16) uint(16)	2		Coils : Remote Coils : Output	0x0000 = off; 0xFF00 = on 0x0000 = off; 0xFF00 = on	2	1 x
407 408 410	х	х	x	х		Condition of DC output/input after power fail alarm Condition of DC output/input after powering the device Restart of the device (warm start)	RW RW		2 2		Coils : Auto-On Reg : Power-On Coils : Restart	0x0000 = off; 0xFF00 = auto-on 0xFFFF = off; 0xFFFE = restore 0xFF00 = execute	2 2	30 x 6 x 8 x
411 416 417	x		x x			Acknowledge alarms Analog interface: Reference voltage (pin VREF) Analog interface: REM-SB level	RW RW	uint(16) uint(16)	2 2	1	Coils : Alarms Coils : VREF Coils : REM-SB Level	0xFF00 = acknowledge 0x0000 = 10V; 0xFF00 = 5V 0x0000 = normal; 0xFF00 = inverted	2 2	9 x 14 x
418 425 440		v	x	v		Analog interface: REM-SB action DC output/input after leaving remote Analog interface: Pin 14 configuration	RW RW	uint(16) uint(16)	2 2	1	Coils : REM-SB Action Coils : Condition Alarms 1	0x0000 = DC off; 0xFF00 = DC auto 0x0000 = off; 0xFF00 = unchanged	2	
440		^		^		viacy increace. Fill 14 Congulation	I W	uni(10)			Adminis I	0.0000 = OVP (default); 0.0001 = COCP; 0.0002 = COPP; 0.0003 = OVP + OCP; 0.0004 = OVP + OPP; 0.0005 = COP + OPP; 0.0005 = OVP + OPP;		
441		х		х	ľ	Analog interface: Pin 6 configuration	RW	uint(16)	2	1	Alarms 2	0x0000 = OT + PF (default); 0x0001 = OT;		
442		x		x		Analog interface: Pin 15 configuration	RW	uint(16)	2	1	Status DC 0x0000 - 0xD0E5 (0 - 102%)	0x0002 = PF; 0x0000 = CV; 0x0001 = DC output status Power value (for translation see programming guide)	2	21 x
498 499 500 501	Ħ	x		x		Sink mode: Set current value Set voltage value	RW	uint(16) uint(16)	2	1 1	0x0000 - 0xD0E5 (0 - 102%) 0x0000 - 0xD0E5 (0 - 102%)	Current value (for translation see programming guide) Voltage value (for translation see programming guide)	2	20 x
501 502 505		x x	_	x		Source mode: Set current value Source mode: Set power value Device state	RW RW		2 4		0x0000 - 0xD0E5 (0 - 102%) 0x0000 - 0xD0E5 (0 - 102%) Bit 0 - 4: Control location	Current value (for translation see programming guide) Power value (for translation see programming guide) 0.000 = Ree: 0.001 = locat; 0.003 = USB; 0.004 = analog; 0.005 = Profitus; 0.006 = Ethemets 0.008 = Master/Stive; 0.009 = RS232; 0.010 = CANkopen; 0.012 = Nedrobus TCP IP; 0.013 = Profinet IP; 0.014 = Ethemet IP; 0.015 = Ethemet IP; 0.015 = Stemetz IP; 0.015 = OSB = 0.005 = 0	2 2	
											Bit 6 : Master-slave type	0x17 = Profinet 2P; 0x18 = GPIB; 0x19 = CAN; 0x1A = EtherCAT 0 = Slave; 1 = Master		
											Bit 7 : Output state Bit 8 : Calibration is enabled Bit 9-10 : Regulation mode	0 = off; 1 = on 0 = off; 1 = on 00 = CV; 10 = CC; 11 = CP		
											Bit 12 : PSB/PSBE 9000 operation mode Bit 14 : External sense Bit 15 : Alarm	0 = source; 1 = sink 0 = off; 1 = on 0 = none; 1 = active		
											Bit 16 : OVP Bit 17 : OCP Bit 18 : OPP	0 = none; 1 = active 0 = none; 1 = active 0 = none: 1 = active		
											Bit 19 : OT Bit 21 : Power fail 1 Bit 22 : Power fail 2	0 = none; 1 = active		
											Bit 23 : Power fail 3 Bit 29 : MSP Bit 30 : REM-SB	0 = none; 1 = active 0 = OK; 1 = Master-slave protection 0 = DC enabled; 1 = REM-SB disables power output		
507		x				Actual voltage	R	, ,	2	1	Bit 31 : OCP/OPP cause 0x0000 - 0xFFFF (0 - 125%)	0 = source mode; 1 = sink mode Actual voltage (for translation see programming guide)	2	
508 509		x			ŀ	cctual current cctual power	R	uint(16)	2	1	0x0000 - 0xFFFF (0 - 125%) 0x0000 - 0xFFFF (0 - 125%)	Actual current (for translation see programming guide) Actual power (for translation see programming guide)	2	29 x 30 x
520 521 522		x x				Court of OV alarms since power up Source mode: Court of OC alarms since power up Source mode: Court of OP alarms since power up	R R	uint(16) uint(16) uint(16)	2 2	1 1	0x0000 - 0xFFFF 0x0000 - 0xFFFF 0x0000 - 0xFFFF			20 x 21 x 22 x
523 524 525		x x				Count of OT alarms since power up Count of PF alarms since power up Sink mode: Count of PF alarms since power up	R R	uint(16) uint(16) uint(16)	2 2	1 1	0x0000 - 0xFFFF 0x0000 - 0xFFFF 0x0000 - 0xFFFF		3	23 x 24 x
526		x	<u>_</u>	x	ŀ	Sink mode: Count of OP alarms since power up Deervoltage protection threshold (OVP)	RW	uint(16)	2		0x0000 - 0xFFFF 0x0000 - 0xE147 (0 - 110%)	OVP threshold (for translation see programming guide)	3	
553 556 569		x		x x		Source mode: Overcurrent protection threshold (OCP) Source mode: Overcower protection threshold (OCP) Sink mode: Overcurrent protection threshold (OPP) Sink mode: Overcurrent protection threshold COP	RW RW	uint(16)	2	1	0x0000 - 0xE147 (0 - 110%) 0x0000 - 0xE147 (0 - 110%)	OCP threshold (for translation see programming guide) OPP threshold (for translation see programming guide)	3	3 x 6 x
570		x		x		Sink mode: Overpower protection threshold OPP	RW	uint(16)	2		0x0000 - 0xE147 (0 - 110%) 0x0000 - 0xE147 (0 - 110%)	OCP threshold (for translation see programming guide) OPP threshold (for translation see programming guide)	3	4 X
650 653 654	x		x x			Master-slave: Link mode on MS bus Master-slave: Enable MS Master-slave: hilt MS	RW RW	uint(16) uint(16)	2 2	1	Coils : Mode Coils : MS on/off Coils : MS start init	0x0000 = Slave; 0xFF00 = Master 0x0000 = off; 0xFF00 = on 0xFF00 = Start init	4 4	0 x 3 x 4 x
655		x		x		Master-slave: Condition	к	uint(16)	2	1	Reg : MS status	0x0000 = not initialised; 0x0001 = init running; 0x0003 = set defaults; 0x0004 = setup interface; 0x0005 = assignment; 0xFFFC = disrupted; 0xFFFD = different models detected, init not OK; 0xFFFE = error; 0xFFFF = init OK	4	5 x
656 658 660		x x				vlaster-slave: Total voltage in V vlaster-slave: Total current in A vlaster-slave: Total power in W	R R	float float float	_	2	Floating point number IEEE754 Floating point number IEEE754 Floating point number IEEE754	500 300 1500	4	6 x 7 x 8 x
662 9000		x	1	x		Master-slave: Number of initialised slaves Upper limit of voltage set value (U-max)	RW	uint(16)		1	0x0000 - 0xD0E5 (0 - 102%)	115 Voltage value (for translation see programming guide)	4	9 x
9001 9002 9003		x x		x x		.cower limit of voltage set value (U-min) Source mode: Upper limit of current set value (I-max) Source mode: Lower limit of current set value (I-min)	RW RW	uint(16) uint(16) uint(16)	2 2		0x0000 - 0xD0E5 (0 - 102%) 0x0000 - 0xD0E5 (0 - 102%) 0x0000 - 0xD0E5 (0 - 102%) 0x0000 - 0xD0E5 (0 - 102%)	Voltage value (for translation see programming guide) Current value (for translation see programming guide) Current value (for translation see programming guide)		32 x 33 x
9004 9005 9008		x x		x x		Source mode: Upper limit of power set value (P-max) Sink mode: Upper limit of power set value (P-max) Sink mode: Upper limit of current set value (H-max)	RW RW	uint(16) uint(16) uint(16)	2	1	0x0000 - 0xD0E5 (0 - 102%) 0x0000 - 0xD0E5 (0 - 102%)	Power value (for translation see programming guide) Power value (for translation see programming guide)	2	35 X 36 X
9009		x	_	x		Sink mode: Lower limit of current set value (-min) Ethernet: TCP keep-alive timeout	RW	uint(16)	2	1	0x0000 - 0xD0E5 (0 - 102%) 0x0000 - 0xD0E5 (0 - 102%) Coils: Keep-alive on/off	Current value (for translation see programming guide) Current value (for translation see programming guide) 0x0000 = off, 0xFF00 = on	2	
10008 10010 10011	X X		X X			Telement Profinet/Modbus TCP: DHCP Protocol: Modbus Protocol: SCPI	RW RW	uint(16) uint(16)	2 2	1	Coils: DHCP on/off	0x0000 = 0ff, 0xFF00 = on 0x0000 = off, 0xFF00 = on 0x0000 = off, 0xFF00 = on		+
10020		х				ληθus module: Type	R	uint(16)	2		Reg: Type	0x0005 = Profibus 0x0009 = RS232 0x0010 = CANopen		×
												0x0011 = Devicenet 0x0012 = Modbus-TCP 1P 0x0013 = Profinet 1P		
												0x0014 = Ethernet 1P 0x0015 = Ethernet 2P 0x0016 = Modbus-TCP 2P		
												0x0017 = Profinet 2P 0x0019 = CAN 0x001A = EtherCAT		
10021 10041 10043		x x				AnyBus module: Interface type AnyBus module: Version number AnyBus module: Serial number	R R R(W)	uint(8)	40		ASCII	0x00FF = no or unknown module plugged "Profibus DPV1"		x x
10251 10252 10253	Ħ	x x x		x		Anytius module: Senal number Profibus: Ident number Profibus/CanOpen: Slave address Profibus/Profinet: User-defineable "Function tag"	RW RW RW	uint(16)		1	ASCII	0xA001 Profibus: 0-125 ; CANopen: 0-127 "Test"	8 8	0 1 2
10269 10280 10300	Ħ	x x x		1	x	romousir-romen: user-demeable "Location tag" rofibusiProfinet User-defineable "Location tag" rofibusiProfinet User-defineable installation date rofibusiProfinet User-defineable description	RW RW RW	char	22 40	11 20	ASCII ASCII ASCII	Test "13.01.2012 09:59:00" "www.webpage.de"	8	3 4 5
10354 10502	Ħ	X X	=		x	Profinet: User-defineable "Station name" Ethernet/Modbus TCP: IP address	RW	char uint(8)	200 4	100	ASCII Bytes 0-3: 0255	"Test" 192.168.0.2 (default)	8	6
10504 10506 10508	Е	X X	=		X X	Ethermet/Modbus TCP: Subnet mask Ethermet/Modbus TCP: Gateway Ethermet/Profinet/Modbus TCP: Host name	RW RW	uint(8) uint(8) char		27	Bytes 0-3: 0255 Bytes 0-3: 0255 ASCII	255.255.255.0 (default) 192.168.0.1 (default) "Client" (default)	Ħ	ŧ
10535 10562 10564	H	x x	1	1	x	Ethernet/Profinet/Modbus TCP: Domain name Ethernet/Modbus TCP: DNS 1 Ethernet/Modbus TCP: DNS 2	RW RW	uint(8)	54 4 4	2	ASCII 565535 0 = infinitywars ASCII	"Workgroup" (default) 0.0.0 (default) 0.0.0 (default)	Ħ	ŧ
10566 10567 10570	Ħ	x x		x		RS232/USB: Connection timeout in milliseconds Ethemet/Profinet/Modbus TCP: MAC Ethemet/Modbus TCP: Connection speed Ethernet port 1	RW R RW	uint(16) uint(8) uint(8)	2 6 2		565535 ASCII	Default: 5ms 00:50:C2:C3:12:34 or 00-50-C2-C3-12-34 0x0000 = Auto;	Ħ	
											SMTP Error	0x0001 = 10Mbit half duplex; 0x0002 = 10Mbit full duplex; 0x0003 = 100Mbit half duplex;		
10571		х	1	×		Ethernet/Modbus TCP: Connection speed Ethernet port 2	RW	uint(8)	2	1		0x0004 = 100Mbit full duplex 0x0000 = Auto; 0x0001 = 10Mbit half duplex; 0x0002 = 10Mbit full duplex:		
10572	Ш	x	_	×		Ethernet/Modbus TCP: Port	RW	uint(16)	2		0.65535	0x0002 = 10Mbit full duplex; 0x0003 = 100Mbit half duplex; 0x0004 = 100Mbit full duplex 5025 (default), except port 80		
10573 10700	Ħ	x x		x x		Ethermet: TCP Socket timeout (in seconds) 8232/CANopen/CAN: Baud rate	RW		2	1	U.55535 5.65535 0 = infinitywars Baud rate	Default: 5 s CAN CANopen RS232	Ħ	+
												0x00: 10kbps 10kbps 2400 Bd 0x01: 20kbps 20kbps 4800 Bd 0x02: 50kbps 50kbps 9600 Bd		
												0x03: 100kbps 100kbps 19200 Bd 0x04: 125kbps 125kbps 38400 Bd 0x05: 250kbps 250kbps 57600 Bd 0x06: 500kbps 500kbps 115200 Bd		
												0x06: 500kbps 500kbps 115200 Bd 0x07: 1Mbps 800kbps 0x08: 1Mbps 0x09: Autobaud		_
10701 10702 10704	x	x	x	#		CAN: ID format CAN: Termination CAN: Base ID	RW RW	uint(16) uint(16) uint(32)	2 4	1 1	Coils: Base/Extended Coils: Bus termination 0x00000x07FF or	0x00x0 = Base (11 Bit); 0xFF00 = Extended (29 Bit) 0x0000 = off; 0xFF00 = on Default: 0x000	Ħ	ŧ
10704	Н	x	_		х	CAN: Broadcast ID	RW	uint(32)	4	2	0x00000x1FFFFFFF 0x0000x07FF or 0x00000x1FFFFFFF	Default: 0x7FF	H	+
10709 10710	х	x	х	1		CAN: Data length CAN: Cyclic read: Base ID	RW	uint(16) uint(32)	4	2	Coils: Data length 0x00000x07FF or 0x00000x1FFFFFFF	0x0000 = Auto; 0xFF00 = Always 8 bytes Default: 0x100	Ħ	Ŧ
10712 10714	Ц	x	1	x		CAN: Cyclic send: Base D CAN: Cyclic read time (in ms): Status	RW	uint(32) uint(16)	4	1	0x00000x07FF or 0x00000x1FFFFFFF 205000; 0 == OFF	Default: 0x200 Default: OFF		-
10715 10716 10717	E	x x		x x		CAN: Cyclic read time (in ms): Set value (U, I, P) CAN: Cyclic read time (in ms): Limits 2 (P) CAN: Cyclic read time (in ms): Limits 1 (U, I)	RW RW		2 2	1	205000; 0 == OFF 205000; 0 == OFF 205000; 0 == OFF	Default: OFF Default: OFF Default: OFF	H	╁
10718	Ħ	X X		x		CAN: Cyclic read time (in ms): Actual values U, I, P CAN: Cyclic read time (in ms): Set value (I, P) (only PSB/PSBE 9000, sink mode)	RW	uint(16) uint(16)	2 2	1	205000; 0 == OFF 205000; 0 == OFF	Default: OFF Default: OFF Default: OFF	Ħ	ŧ
10721 10722		х	- 1	х		CAN: Cyclic read time (in ms): Limits (I, P) (only PSB/PSBE 9000, sink mode)	RW	uint(16)	2	1	205000; 0 == OFF	Delatif. OFF	Ш	