PSBE	900)0 r	egi	ster	list	for devices with KE firmware from V2.28 (standard)	check	the insta	lled ve	rsion	in your device's MENU in item INFO HW, SW)				
6	÷		s (0x03)	5)									t subslot	x in slot	~
ress (dec	Iress (hex	0x01)	g register	coil (0x0	ole registe				in bytes	registers			t / Profinet	ofibus/Profinet index in slot	EtherCAT SDO/PDO?
dbus ado	dbus ado	ad coils (ad holding	Vrite single			vccess	Data type	Data length	Number of r			ofibus slot /	ofibus/Pro	erCAT S
	0x0000 0x0001	Re	x x	Wr	M	Description Device class Device type	R R	uint(16		1	Data ASCII	Example 64 = PSBE 9000 Series PSBE 9080-360	1 L	ď	i x
41 (0x0015 0x0029 0x003D		x x			Manufacturer Manufacturer address Manufacturer ZP code	R R	cha cha cha	r 40	20	ASCII ASCII ASCII		1 1	3 4	2 x 3 x
81 (101 (0x0051 0x0065 0x0079		x x			Manufacturer phone number Manufacturer website Nominal voltage	R R	cha cha floa	r 40 r 40	20 20	ASCII ASCII Floating point number IEEE754	80	1 1	_	x x x
125	0x007B 0x007D 0x007F		x x	Ŧ		Nominal current Nominal power Max, Internal resistance	R R	floa floa floa	t 4	2	Floating point number IEEE754 Floating point number IEEE754 Floating point number IEEE754	360 15000 10	1 1	9 10	9 x
131	0x0081 0x0083 0x0097		x x	-		Min. Internal resistance Article no. Serial no.	R R	floa cha cha	t 4 r 40	20	Floating point number IEEE754 ASCII ASCII	0.006 30000325 1234560001	1 1	11 12 13	2 x
171 0 191 0	0x00AB 0x00BF 0x00D3		x x	#	х	User text Firmware version (KE) Firmware version (HMI)	RW R	cha cha cha	r 40 r 40	20 20	ASCII ASCII ASCII		1 1		x x x
	0x00E7 0x0192	x	х	х		Firmware version (DR) Remote mode	RW			20	ASCII Coils : Remote	0x0000 = off; 0xFF00 = on	1 2	17	x x
405 0 407 0	0x0195 0x0197 0x0198	x	х	x x		DC output/input Condition of DC output/input after power fail alarm Condition of DC output/input after powering the device	RW RW	uint(16 uint(16) 2	1	Coils : Output Coils : Auto-On Reg : Power-On	0x0000 = off; 0xFF00 = on 0x0000 = off; 0xFF00 = auto 0xFFFF = off; 0xFFEE = restore	3	4 30 6	×
411	0x019A 0x019B 0x01A0	x		x x		Restart of the device (warm start) Acknowledge alarms Analog interface: Reference voltage (pin VREF)	W W RW	uint(16 uint(16	2	1	Colls : Restart Colls : Alarms Colls : VREF	0xFF00 = execute 0xFF00 = acknowledge 0x0000 = 10V; 0xFF00 = 5V	2 2	_	3 x 9 x
417 C	0x01A1 0x01A2 0x01A9	x		x x		Analog interface: REM-SB level Analog interface: REM-SB action DC output/input after leaving remote	RW RW	uint(16	2	1	Coils: REM-SB Level Coils: REM-SB Action Coils: Condition	0x0000 = normal; 0xFF00 = inverted 0x0000 = off; 0xFF00 = auto 0x0000 = off; 0xFF00 = unchanged	2 2	36 37 42	×
	0x01B0 0x01B8	х	х	X	1	Reset device to factory settings Analog interface: Pin 14 configuration	RW	uint(16 uint(16) 2	_	Coils : Condition Alarms 1	0xFF00 = Trigger reset 0x0000 = OVP (default); 0x0001 = OCP;	2	43 44	
												0x0002 = OPP; 0x0003 = OVP + OCP; 0x0004 = OVP + OPP; 0x0005 = OCP + OPP;			
441 0	0x01B9		х	3	1	Analog interface: Pin 6 configuration	RW	uint(16) 2	1	Alarms 2	0x0000 = OVP + OPP; 0x0000 = OVP + OPP; 0x0000 = OT + PF (default); 0x0001 = OT;	2	45	×
442 0			×	3	1	Analog interface: Pin 15 configuration	RW	uint(16) 2	1	Status DC	0x0002 = PF; 0x0000 = CV; 0x0001 = DC output status	2	46	
443 0	x01BB		x	3		Analog interface: Pins 9 and 10 configuration	RW	uint(16) 2	1	Current and voltage monitor	0x0000 = Default (VMON on pin 9 and CMON on Pin 10 / Pin 10 signals current from source or sink); 0x0001 = Pin 10 (CMON) only signals sink current (EL); 0x0002 = Pin 10 (CMON) only signals source current (PS);	2	50) x
												0x0003 = Current mode A [source current (PS) on pin 9 and sink current (EL) on pin 10 (full range)]; 0x0004 = Current mode B [source current (PS) on pin 10 and sink current (EL)	n		
	_											on pin 9 (full range)); 0x0005 = Pin 10 (CMON) signals EL/PS current (010 V ^= -100%0100%, half range signal)			
499	0x01F2 0x01F3 0x01F4	Ħ	x x	3	1	Sirik mode: Set power value Sirik mode: Set current value Set voltage value	RW RW		2 2	1 1	0x0000 - 0xD0E5 (0 - 102%) 0x0000 - 0xD0E5 (0 - 102%) 0x0000 - 0xD0E5 (0 - 102%)	Power value (for translation see programming guide) Current value (for translation see programming guide) Voltage value (for translation see programming guide)	2 2	21 20 23) x
501 C	0x01F5 0x01F6 0x01F9	Ħ	x x	1	_	Source mode: Set current value Source mode: Set power value Device state	RW RW) 2	- 1	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) 0x00 = free; 0x01 = local; 0x03 = USB; 0x04 = analog;	2 2	24	x i x
	0						"					0x05 = Profibus; 0x06 = Ethernet; 0x08 = Master/Slave; 0x09 = RS232; 0x10 = CANopen; 0x12 = Modbus TCP 1P; 0x13 = Profinet 1P; 0x14 = Ethernet 1P; 0x15 = Ethernet 2P; 0x16 = Modbus TCP 2P;	t	[
											Bit 6 : Master-slave type Bit 7 : Output state	0x17 = Profinet 2P; 0x18 = GPIB; 0x19 = CAN; 0x1A = EtherCAT 0 = Slave; 1 = Master 0 = off; 1 = on	<u> </u>		
											Bit 9-10 : Regulation mode Bit 12 : PSB/PSBE 9000 operation mode Bit 14 : External sense	0 = 0K; 10 = CC; 11 = CP 0 = source; 1 = sink 0 = off; 1 = on]		
											Bit 15 : Alarms Bit 16 : OVP Bit 17 : OCP	0 = none; 1 = active	1		
											Bit 18 : OPP Bit 19 : OT	0 = none; 1 = active 0 = none; 1 = active	1		
											Bit 21-23: Power fail Bit 22 : Power fail 2 Bit 23 : Power fail 3	0 = none; 1 = active 0 = none; 1 = active 0 = none; 1 = active	1		
											Bit 29 : MSP Bit 30 : REM-SB Bit 31 : OCP/OPP-OCD/OPD cause	0 = OK; 1 = Master-slave protection 0 = DC enabled; 1 = REM-SB disables power output 0 = source mode; 1 = sink mode			L
507 0 508 0 509 0	x01FC		x x	+		Actual voltage Actual current Actual power	R R	and in) 2	1	0x0000 - 0xFFFF (0 - 125%) 0x0000 - 0xFFFF (0 - 125%) 0x0000 - 0xFFFF (0 - 125%)	Actual voltage (for translation see programming guide) Actual current (for translation see programming guide) Actual power (for translation see programming guide)	2 2	_	3 x 3 x
520 C	0x0208 0x0209	Н	x	Ŧ		Count of OV alarms since power up Source mode: Count of OC alarms since power up	R	uint(16 uint(16) 2		0x0000 - 0xFFFF 0x0000 - 0xFFFF		3	20	×
523	0x020A 0x020B 0x020C		x x	#		Source mode: Count of OP alarms since power up Count of OT alarms since power up Count of PF alarms since power up	R R	uint(16 uint(16 uint(16	2	1	0x0000 - 0xFFFF 0x0000 - 0xFFFF 0x0000 - 0xFFFF		3		2 x
525	0x020D 0x020E	\equiv	x	Ξ		Sink mode: Court of PF alarms since power up Sink mode: Court of OP alarms since power up	R	uint(16) 2	1	0x0000 - 0xFFFF 0x0000 - 0xFFFF		3	25	
553	0x0226 0x0229 0x022C		x x	3		Overvoltage protection threshold (OVP) Source mode: Overcurrent protection threshold (OCP) Source mode: Overpower protection threshold (OPP)	RW RW	uint(16 uint(16 uint(16) 2	1	0x0000 - 0xE147 (0 - 110%) 0x0000 - 0xE147 (0 - 110%) 0x0000 - 0xE147 (0 - 110%)	OVP threshold (for translation see programming guide) OCP threshold (for translation see programming guide) OPP threshold (for translation see programming guide)	3	3) x
569 0 570 0	0x0239 0x023A 0x0241	Ε	x x	3	t t	Sink mode: Overpower protection threshold OCP Sink mode: Overpower protection threshold OCP Condition of DC output after OT alarm	RW RW	uint(16 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		×
650 0	0x028A	х	×	х	<u> </u>	Master-slave: Link mode on MS bus	RW	uint(16) 2		Reg: Condition Colls: Mode	0x0000 = off; 0x0001 = restore (default) 0x0000 = Slave; 0xFF00 = Master	4	0) x
654	0x028D 0x028E 0x028F	х	х	X X	t	Master-slave: Enable MS Master-slave: Ivit MS Master-slave: Condition	RW W R	uint(16 uint(16 uint(16) 2	1 1	Coils: MS on/off Coils: MS start init Reg: MS status	0x0000 = off; 0xFF00 = on 0xFF00 = Start init 0x0000 = not initialised; 0x0001 = init running; 0x0003 = set defaults; 0x0004 = setup interface; 0x0005 = assignment; 0xFFFC = disrupted; 0xFFFD = different	4	4 5	X
656	0x0290		×			Master-slave: Total voltage in V	R	floa	t 4	2	Floating point number IEEE754	models detected, init not OK; 0xFFFE = error; 0xFFFF = init OK	4	6	s x
660	0x0292 0x0294 0x0296		x x	Ŧ		Master-slave: Total current in A Master-slave: Total power in W Master-slave: Number of initialised slaves	R R	floa floa uint(16	t 4	2	Floating point number IEEE754 Floating point number IEEE754	300 150000 135	4	7 8 9	x 3 x
9000		Н	x	3	_	Upper limit of voltage set value (U-max) Lower limit of voltage set value (U-min)	RW			1	0x0000 - 0xD0E5 (0 - 102%) 0x0000 - 0xD0E5 (0 - 102%)	Voltage value (for translation see programming guide) Voltage value (for translation see programming guide)	2	31	
9003	0x232A 0x232B 0x232C		x x	3	t t	Source mode: Upper limit of current set value (+max) Source mode: Lower limit of current set value (+min) Source mode: Upper limit of power set value (P-max)	RW RW	uint(16 uint(16) 2	1 1	0x0000 - 0xD0E5 (0 - 102%) 0x0000 - 0xD0E5 (0 - 102%) 0x0000 - 0xD0E5 (0 - 102%)	Current value (for translation see programming guide) Current value (for translation see programming guide) Power value (for translation see programming guide)	2	33 34 35	x x
9005 0 9008 0	0x232D 0x2330 0x2331		X X	3	t t	Sirk mode: Upper limit of power set value (P-max) Sirk mode: Upper limit of current set value (P-max) Sirk mode: Upper limit of current set value (I-max) Sirk mode: Lower limit of current set value (I-min)	RW RW	uint(16 uint(16) 2		0x0000 - 0xD0E5 (0 - 102%) 0x0000 - 0xD0E5 (0 - 102%)	Power value (for translation see programming guide) Current value (for translation see programming guide)	2	36 40	3 x
10007 (0x2717		×	X X	<u> </u>	Ethernet: TCP keep-alive timeout Ethernet: Profinet/Modbus TCP: DHCP	RW	uint(16 uint(16) 2	1	0x0000 - 0xD0E5 (0 - 102%) Coils: Keep-alive on/off	Current value (for translation see programming guide)		41	×
10010	0x271A 0x271B	X		X X		Emerger Monte of the Control of the	RW RW	uint(16) 2	1	Coils: DHCP on/off Coils: MODBUS on/off Coils: SCPI on/off Coils: Reset	0x0000 = off; 0xFF00 = on 0x0000 = off; 0xFF00 = on 0x0000 = off; 0xFF00 = on 0xFF00 = Trigger reset	Ħ	E	E
	0x2724	^	х	Î		AnyBus module: Type	R	uint(16) 2	_	Reg: Type	0x0005 = Profibus 0x0005 = RS232 0x0010 = CANopen	1		
												0x0011 = Devicenet 0x0012 = Modbus-TCP 1P 0x0013 = Profinet 1P			
												0x0014 = Ethernet 1P 0x0015 = Ethernet 2P 0x0016 = Modbus-TCP 2P 0x0017 = Profinet 2P	1		
												0x0017 = Promini ZP 0x0019 = CAN 0x0018 = EtherCAT 0x00FF = no or unknown module plugged	1		
10041 0 10043 0	0x273B		x x	#		AnyBus module: hiterface type AnyBus module: Version number AnyBus module: Serial number	R R	cha uint(8 uint(32	40) 4	2	ASCII	"Profibus DPV1"			Ē
10251 0 10252 0 10253 0	0x280B 0x280C 0x280D		x x	3		Profibus: Ident number Profibus/CanOpen: Slave address Profibus/Profinet: User-defineable "Function tag"	RW RW	uint(16 cha	2 2 32		ASCII	0xA001 Profibus: 0-125 ; CANoper: 0-127 **Test**	8 8 8	0 1 2	É
10280	0x281D 0x2828 0x283C	Ħ	x x	f	x x	Profibus/Profinet: User-defineable "Location tag" Profibus/Profinet: User-defineable installation date Profibus/Profinet: User-defineable description	RW RW	cha cha cha	r 40 r 54	20 27	ASCII ASCII ASCII	"Test" "13.01.2012 09:59:00" "www.webpage.de"	8 8 8	3 4 5	Ė
10502 (10504 (0x2872 0x2906 0x2908	Ħ	x x	Ŧ	x x x	Ethernet/Modbus TCP: IP address Ethernet/Modbus TCP: Subnet mask	RW RW	cha uint(8 uint(8) 4	100 2 2	ASCII Bytes 0-3: 0255 Bytes 0-3: 0255	"Test" 192.168.0.2 (default) 255.255.255.0 (default)	8	6	É
10508 0 10535 0	0x290A 0x290C 0x2927		x x	Ŧ	x x x	Ethernet/Modbus TCP: Gateway Ethernet/Profinet/Modbus TCP: Host name Ethernet/Profinet/Modbus TCP: Domain name	RW RW	uint(8 cha cha	r 54	27 27	Bytes 0-3: 0.255 ASCII ASCII	192.168.0.1 (default) "Client" (default) "Workgroup" (default)	Ħ	E	É
10562 (10564 (0x2942 0x2944 0x2946	Ħ	x x		X	Ethernet/Modbus TCP: DNS 1 Ethernet/Modbus TCP: DNS 2 RS232/USB: Connection timeout in milliseconds	RW RW	uint(8 uint(8 uint(16) 4	2	Bytes 0-3: 0.255 Bytes 0-3: 0.255 5.65535	0.0.0.0 (default) 0.0.0.0 (default) Default: 5ms	Ħ	E	F
10567	0x2947 0x294A	F	x	3	(x)	Ethernet/Modbus TCP: MAC Ethernet/Modbus TCP: Connection speed Port 1 (1 & 2 port modules)	RW	uint(8 uint(16	6	3	Bytes 0-5: 0.255 Connection speed	00:50:C2:C3:12:34 or 00-50-C2-C3-12-34 0x0000 = Auto; 0x0001 = 10Mbit half duplex;	Ħ		F
		Ш		\perp								0x0002 = 10Mbit full duplex; 0x0003 = 100Mbit half duplex; 0x0004 = 100Mbit full duplex		L	L
10571	ux294B		x	3		Ethernet/Modbus TCP: Connection speed Port 2 (2 port module)	RW	uint(16	2	1	Connection speed	0x0000 = Auto; 0x0001 = 10Mbit half duplex; 0x0002 = 10Mbit half duplex; 0x0003 = 100Mbit half duplex;			
	0x294C 0x294D	Н	x	3	t t	Ethernet/Modbus TCP: Port Ethernet TCP Socket timeout (in seconds)	RW	uint(16 uint(16) 2		0.65535 5.65535	0x0003 = 100Mbit half duplex 0x0004 = 100Mbit full duplex 5025 (default), except port 80 0 = timeout inactive; 5 = 5 s (default)	H		F
	0x294D 0x29CC	П	x	3	_	RS232/CANopen/CAN: Baud rate	RW	uint(16 uint(16) 2	1	b05035 Baud rate	CAN CANopen RS232 0x00: 10kbps 10kbps 2400 Bd	П		T
												0x01: 20kbps 20kbps 4800 Bd 0x02: 50kbps 50kbps 9600 Bd 0x03: 100kbps 100kbps 19200 Bd			
1												0x05: 250kbps 250kbps 57600 Bd 0x06: 500kbps 500kbps 115200 Bd 0x07: 1Mbps 800kbps -			
		1		х	L	CAN: ID format	RW	, ,) 2	_	Coils: Base/Extended	0x08: - 1Mbps - 0x09: - Autobaud - 0x0000 = Base (11 Bit); 0xFF00 = Extended (29 Bit)	Ы	L	L
10701 0		_		х	х	CAN: Termination CAN: Base ID	RW	uint(16 uint(32) 2	1	Coils: Bus termination 0x00000x07FF or 0x00000x1FFFFFFF	0x0000 = off; 0xFF00 = on Default: 0x000	f	E	F
10702 0 10704 0)x29CE)x29D0	x	х		-	CAN: Broadcast ID	RW	uint(32) 4	2	0x00000x07FF or	Default: 0x7FF		1 -	1
10702 0 10704 0 10706 0 10709 0	0x29CE 0x29D0 0x29D2 0x29D5	_	х	х	х	CAN: Data length	RW	uint(16) 2		0x00000x1FFFFFFF Coils: Data length	0x0000 = Auto; 0xFF00 = Always 8 bytes	Ħ		Ļ
10702 0 10704 0 10706 0 10709 0 10710 0	0x29CE 0x29D0 0x29D2	х	х	х	x		RW RW	uint(16 uint(32 uint(32) 2		Coils: Data length 0x00000x07FF or 0x00000x1FFFFFFFF 0x00000x07FF or	0x0000 = Auto: 0xFF00 = Always 8 bytes Default: 0x100 Default: 0x200			
10702 0 10704 0 10706 0 10709 0 10710 0 10712 0 10714 0 10715 0	0x29CE 0x29D0 0x29D2 0x29D5 0x29D6	х	x x x x x	x		CAN: Data length CAN: Cyclic read: Base ID CAN: Cyclic send: Base ID CAN: Cyclic send: Base ID CAN: Cyclic read time (in ms): Status CAN: Cyclic read time (in ms): Status	RW	uint(32 uint(32 uint(16 uint(16		2 1 1	Colis: Data length 0x00000x07FF or 0x00000x1FFFFFFF 0x00000x1FFFFFFF 0x00000x1FFFFFFF 0x00000x1FFFFFFF 0x00000x1FFFFFFF 0x00000x1FFFFFFF 0x00000x1FFFFFFF 0x00000x1FFFFFFF	Default: 0x100			_ _ _
10702 0 10704 0 10706 0 10709 0 10710 0 10712 0 10714 0 10715 0 10716 0 10717 0	0x29CE 0x29D0 0x29D2 0x29D5 0x29D6 0x29D8 0x29DA	х	x x x	3		CAN: Data length CAN: Cyclic read: Base ID CAN: Cyclic send: Base ID CAN: Cyclic send: Base ID CAN: Cyclic send time (in ms): Status	RW RW RW	uint(32 uint(32 uint(16) 2	2 2 1 1 1 1 1	Colis: Data length 0A00000x07FF or 0A00000x1FFFFFFF 0A00000x07FF or 0A00000x1FFFFFF 205000; 0 == off	Default 0x100 Default 0x200 Default off Default off			