PSI	50	00	re	gi	ste	er list for devices with KE firmwa	re f	rom \	V3.	.04	(check the installed version by	reading register 191)
				(9								
		S	2)	single register (0x06)	SJ							
		sters	coil (0x05)) Je	registers				S	S		
S	<u>-</u>	regis	0)	jiste	regi				yte	ster		
Ires	ŏ	g		reç					Ë	egi		
Modbus address	coils (0x01	holding	Write single	gle	multiple			ø)	Data length in bytes	Number of registers		
Sn	coi	hol	sin	sin			S	Data type	enç	er		
dbc	ead	Read	rite	Write s	Write		Access	ıta	Ita	ımb		
	Re		Wi	W	M	Description					Data	Example or description
0		Х				Geräteklasse Corëtekus	R	uint(16)			ASCII	29 = PSI 5000 PSI 5040-40
21		X				Gerätetyp Hersteller	R R	char char			ASCII	F313040-40
41		Х				Hersteller Strasse	R	char	40		ASCII	
61 81		X				Hersteller PLZ Hersteller Telefonnummer	R R	char char	40		ASCII	
101		X				Hersteller Webseite	R	char	40		ASCII	
121		х				Gerätenennspannung	R	float	4		Floating point number IEEE754	40
123		Х				Gerätenennstrom	R	float	4		Floating point number IEEE754	40
125		Х				Gerätenennleistung	R	float	40		Floating point number IEEE754	640
131 151		x				Artikelnummer Seriennummer	R R	char char	40		ASCII ASCII	05100406 1234567890
171		X			х	Benutzertext	RW	char	40		ASCII	1204001000
191		х				Firmwareversion (KE)	R	char	40		ASCII	V3.04 10.05.2017
211		х				Firmwareversion (HMI)	R	char	40	20	ASCII	V2.05 23.01.2017
231		Х				Firmwareversion (DR)	R	char	40	20	ASCII	V1.0.20 23.03.2017
402	х		v			Farnetauerungsmodus	RW	uint/46\	_ ^	1	Coils : Remote	0x0000 = off; 0xFF00 = on
402	X		X			Fernsteuerungsmodus DC-Ausgang / DC-Eingang	RW	uint(16) uint(16)	_		Coils : Remote Coils : Output/input	0x0000 = off; 0xFF00 = on 0x0000 = off; 0xFF00 = on
407	X		X			Zustand DC-Ausgang/-Elngang nach Alarm Power Fail	RW	uint(16)	_	_	Coils : Auto on	0x0000 = off; 0xFF00 = auto-on
408		х		Х		Zustand DC-Ausgang/-Eingang nach Einschalten des Geräte		uint(16)	2	1	Reg : Power on	0xFFFF = off; 0xFFFE = Restore
410	Х		Х			Neustart des Gerätes (Warmstart)	W	uint(16)	_		Coils : Restart	0xFF00 = execute
411	Х		х			Alarme quittieren	W	uint(16)			Coils : Alarms	0xFF00 = acknowledge
416 417	x		X			Analogschnittstelle: Referenzspannung (Pin VREF) Analogschnittstelle: REM-SB Pegel	RW	uint(16) uint(16)	_	_		0x0000 = 10V; 0xFF00 = 5V 0x0000 = normal; 0xFF00 = inverted
418	X		x			Analogschnittstelle: REM-SB Verhalten	RW	uint(16)	_	_		0x0000 = DC off; 0xFF00 = DC auto
425	х		х			DC-Ausgang/Eingang nach Verlassen der Fernsteuerung	RW	uint(16)	_		Coils : Condition	0x0000 = off; 0xFF00 = unchanged
500		х		Х		Sollwert Spannung	RW	uint(16)	2	1	0x0000 - 0xD0E5 (0 - 102%)	Voltage value (for translation see programming guide)
501		х		Х		Sollwert Strom	RW	uint(16)				Current value (for translation see programming guide)
502 505		X		Х		Sollwert Leistung Gerätestatus	RW R	uint(16)			0x0000 - 0xD0E5 (0 - 102%) Bit 0- 4: Control location	Power value (for translation see programming guide) 0x00 = free; 0x01 = local; 0x02 = remote; 0x03 = USB; 0x04
505		Х				Geralestalus	K	uint(32)	4	-	Bit 0- 4. Control location	= analog; 0x06 = Ethernet
								1			Bit 5 : Config mode	0 = off; 1 = active
											Bit 7 : DC output/input state	0 = off; 1 = on
											Bit 9-10 : Regulation mode	00 = CV; 01 = CR; 10 = CC; 11 = CP
											Bit 11 : Remote Bit 14 : Remote sensing	0 = off; 1 = on 0 = off; 1 = on
											Bit 15 : Alarms	0 = none; 1 = active
											Bit 16 : OVP	0 = none; 1 = active
											Bit 17 : OCP	0 = none; 1 = active
											Bit 18 : OPP	0 = none; 1 = active
											Bit 19 : OT Bit 21 : Power fail	0 = none; 1 = active
											Bit 30 : REM-SB	0 = none; 1 = active 0 = DC enabled; 1 = REM-SB disables DC output/input
507		х		х		Istwert Spannung	R	uint(16)	2	1	0x0000 - 0xFFFF (0 - 125%)	Actual voltage (for translation see programming guide)
508		Х		Х		Istwert Strom	R	uint(16)	-	_	0x0000 - 0xFFFF (0 - 125%)	Actual current (for translation see programming guide)
509		Х				Istwert Leistung	R	uint(16)			0x0000 - 0xFFFF (0 - 125%)	Actual power (for translation see programming guide)
520 521		x				Anzahl von OV-Alarmen seit Start des Gerätes Anzahl von OC-Alarmen seit Start des Gerätes	R R	uint(16) uint(16)	_	_	0x0000 - 0xFFFF 0x0000 - 0xFFFF	Count Count
522		X				Anzahl von OP-Alarmen seit Start des Gerätes	R	uint(16)	_	_	0x0000 - 0xFFFF	Count
523		х				Anzahl von OT-Alarmen seit Start des Gerätes	R	uint(16)	_		0x0000 - 0xFFFF	Count
524		х				Anzahl von PF-Alarmen seit Start des Gerätes	R	uint(16)	2	1	0x0000 - 0xFFFF	Count
550		Х		Х		Überspannungsschutzschwelle (OVP)	RW	uint(16)	_	_	0x0000 - 0xE147 (0 - 110%)	OVP threshold (for translation see programming guide)
553		Х		X		Überstromschutzschwelle OCP	RW	uint(16)	_		0x0000 - 0xE147 (0 - 110%) 0x0000 - 0xE147 (0 - 110%)	OCP threshold (for translation see programming guide) OPP threshold (for translation see programming guide)
556		Х		Χ		Überleistungsschutzschwelle OPP	RW	uint(16)	2	1	0x0000 - 0xE147 (0 - 110%)	OPP threshold (for translation see programming guide)
7100		х			х	Recall set 1	RW	uint(16)	10	5	Bytes 0-1: 0x0000 - 0xD0E5 (0 -	Voltage value (for translation see programming quide)
								(- /			102%)	Current value (for translation see programming guide)
												Overvoltage value (OVP) (for translation see programming
												Overcurrent value (OCP) (for translation see programming
_	,	-	-	-	_	1	-	1		,	1	Always 0x0000
[↓]	1	↓ X	↓	↓	↓ X	Recall set 9	₽W	↓ uint(16)	10	5	↓ Bytes 0-1: 0x0000 - 0xD0E5 (0 -	↓ Voltage value (for translation see programming guide)
		^			^	Trestain out o		u(10)			102%)	Current value (for translation see programming guide)
												Overvoltage value (OVP) (for translation see programming
												Overcurrent value (OCP) (for translation see programming
7000	_					Decell and 4.0 called a strong and a second	161		_	_	0.0004 0.0000	Always 0x0000
7200				Х		Recall set 1-9: select, submit and save	W	uint(16)	2	11	0x0001-0x0009	0x0001 = Submit and save the values from recall set 1
10007	х		Х			Ethernet: TCP Keep-Alive	RW	uint(16)	2	1	Coils: Keep-alive on/off	0x0000 = off; 0xFF00 = on
	х		Х			Ethernet: DHCP	RW	uint(16)	2	1	Coils: DHCP on/off	0x0000 = off; 0xFF00 = on
			X			Protokoll: Modbus Protokoll: SCPI	RW	uint(16)			CONC. WODDOG CHICK	0x0000 = off; 0xFF00 = on
10010	X		Х			Protokoll: SCPI Ethernet: DHCP-Status	RW	uint(16) uint(16)			Coils: SCPI on/off Bit0: DHCP running	0x0000 = off; 0xFF00 = on 0 = manual; 1 = DHCP
10010 10011	X	х			\vdash	Ethernet: Netzwerkadresse	RW	uint(8)	4	2	Bytes 0 - 3: 0255	192.168.0.2 (default)
10010		X			Х		RW	uint(8)	4		Bytes 0 - 3: 0255	255.255.255.0 (Standard)
10010 10011 10017 10502 10504		X			Х	Ethernet: Subnetzmaske	_			-		
10010 10011 10017 10502 10504 10506		X X			X	Ethernet: Gateway	RW	uint(8)	4 54		Bytes 0 - 3: 0255	192.168.0.1 (default)
10010 10011 10017 10502 10504		X			X X X	Ethernet: Gateway Ethernet: Hostname Ethernet: Domäne	RW		54	27	Bytes 0 - 3: 0255 ASCII ASCII	192.168.0.1 (default) "Client" (default) "Workgroup" (default)
10010 10011 10017 10502 10504 10506 10508 10535 10562		X X X X X			X X X	Ethernet: Gateway Ethernet: Hostname Ethernet: Domäne Ethernet: DNS	RW RW RW	uint(8) char char uint(8)	54 54 4	27 27 2	Bytes 0 - 3: 0255 ASCII ASCII Bytes 0 - 3: 0255	192.168.0.1 (default) "Client" (default) "Workgroup" (default) 0.0.0 (default)
10010 10011 10017 10502 10504 10506 10508 10535 10562 10566		x x x x x x		x	X X X	Ethernet: Gateway Ethernet: Hostname Ethernet: Domäne Ethernet: DNS USB: Verbindungs-Timeout (in Millisekunden)	RW RW RW RW	uint(8) char char uint(8) uint(16)	54 54 4	27 27 2 1	Bytes 0 - 3: 0255 ASCII ASCII Bytes 0 - 3: 0255 565535	192.168.0.1 (default) "Client" (default) "Workgroup" (default) 0.0.0.0 (default) Default: 5 ms
10010 10011 10017 10502 10504 10506 10508 10535 10562		X X X X X		x	X X X	Ethernet: Gateway Ethernet: Hostname Ethernet: Domäne Ethernet: DNS	RW RW RW	uint(8) char char uint(8)	54 54 4 2 6	27 27 2 1 3	Bytes 0 - 3: 0255 ASCII ASCII Bytes 0 - 3: 0255	192.168.0.1 (default) "Client" (default) "Workgroup" (default) 0.0.0 (default)