Tabelle1

SPR23e CAN Config und Calibration				
Parameter ID	Modifier	Parameter	Data type	Comment
0	WO	Load default config	-	Load default config
1	RO	Query config	-	Enable automatic balancing if average cell voltage is above the balancing threshold and system is in charge mode
2	WO	Update config	config_t	Voltage threshold at which balancing will be enabled. Balancing should only be enabled above 80% SOC; Fixed-point value with 100uV resolution
3	RO	Balancing Feedback		Bitcoded
4	WO	SOC lookup	-	Manual SOC lookup
5	RW	Set RTC	UINT32	Set RTC time as Unix time stamp
6	WO	Control calibration	UINT8	Start calibration of the ADC channels. Pass the channel as argument. 0=stop calibration, 1=battery voltage, 2=dc-link voltage, 3=current
7	RO	Calibration state	UINT8	Return the current state of the calibration state machine
8	WO	Calibration value	FLOAT	Calibration parameter (either first or second, depending on calibration state machine state). Pass argument as float
9	WO	Format SD card	-	Format the SD card. Returns the current state of the formation process (busy or failed)
10	RO	Get SD formatting status	UINT8	Status of the SD formatting process
11	RO	Query logfile info		List of files with metadata

Tabelle2

	CAN ID	Туре	Length	Byte 0	Byte 1	Byte 2	Byte 3	Byte 4	Byte 5	Byte 6	 Byte 258	Comment
	0x013	Request	4+	0	Param ID + 0x80	Number of following bytes			LSB < Para	Request Update		
Set parameter	0x012	Response	3+	1	Param ID	Number of following bytes						Update successful
	0x012	Response	4	1	Param ID + 0x80	0x01	Error code					Update failed
Get parameter	0x013	Request	3+	0	Param ID	Number of following bytes						Request parameter
	0x012	Response	4+	1	Param ID	Number of following bytes		Returned parameter				
	0x012	Response	4	1	Param ID + 0x80	0x01	Error code			Request failed		
Error codes												
0x00		Reques	ted paran	neter doe	s not exist							
0x01	F	Requested m	odificatio	n of read-	only parameter							
0x02		DLC does not	t match e	xpected r	number of bytes							
0x03	N	umber of byte	es does r	ot match	data type length							
0x04		Internal error	(i.e. Mut	ex lock fa	iled). Try again							
0x05	Cannot read a write-only parameter											
0x06												
0x07												
0x08												
0x09												
0x0A	Reserved											
0x0B 0x0C	Reserved											
0x0C												
0x0D	1											
0x0E	1											
0x0F												
0x10	Command											
	specific											
0xFF	errors											