

PSI 9000

1	2	3	4	5	6	7	8	9
对象 / Object	描述 / Description	访问 / Access	访问条件 / Access condition	数据类型 / Data type	数据字节长度 / Data length in Bytes	char 类型的掩码 / Mask for type 'char'	数据 / Data	举例或进一步描述 / Example or further description
0	产品型号 / Device Type	ro		string	16			PSI 9080-050 + EOL (EOL=行尾)
1	产品系列号 / Device serial no.	ro		string	16			10000001 + EOL
2	额定电压 / Nominal voltage	ro		float	4			U额定 / Unom = 80.0 (基于IEEE75浮点数 / Floating point number IEEE754 Standard)
3	额定电流 / Nominal current	ro		float	4			I额定 / Inom = 50.0 (基于IEEE75浮点数 / Floating point number IEEE754 Standard)
4	额定功率 / Nominal power	ro		float	4			P额定 / Pnom = 1500.0 (基于IEEE75浮点数 / Floating point number IEEE754 Standard)
5	最大内阻 / Max. internal resistance	ro		float	4			R额定 / Rnom = 16.0 (基于IEEE75浮点数 / Floating point number IEEE754 Standard)
6	产品编号 / Order no.	ro		string	16			15200768 + EOL
7	用户文本 / User text	rw		string	16			最多15个字符 / Max. 15 characters + EOL
8	生产商 / Manufacturer	ro		string	16			生产商名称 / Manufacturer's name + EOL
9	软件版本 / Software version	ro		string	16			V2.01 09.08.06 + EOL
10	插槽A接口型号 / Interface type of Slot A	ro		string	16			IF-R1
11	插槽A接口系列号 / Serial no. Slot A	ro		string	16			10100001 + EOL
12	插槽A接口编号 / Order no. Slot A	ro		string	16			33100213 + EOL
13	插槽A软件版本 / Software version Slot A	ro		string	16			V3.01 + EOL
14	插槽B接口型号 / Interface type of Slot B	ro		string	16			EOL
15	插槽B接口系列号 / Serial no. Slot B	ro		string	16			10101001 + EOL
16	插槽B接口编号 / Order no. Slot B	ro		string	16			33100214 + EOL
17	插槽B软件版本 / Software version Slot B	ro		string	16			EOL
18	第2个软件版本 / 2nd software version	ro		string	16			V2.02 01.01.08 + EOL
19	产品级别 / Device class	ro		int	2			1
20	存储和上载配置文件 / Save and load of profiles	rw	1	char	2	0x07 Bit 0..2: : 0x20 Bit 5: 0x40 Bit 6: 0x80 Bit 7:		选择配置文件号 / Select profile no. 0 = default; 1 = Profile 1; 2 = Profile 2; 3 = Profile 3; 4 = Profile 4 上载已选配置文件 / Load selected profile (1...4) 将当前配置文件存储到内存x / Save current profile to memory x 配置文件上载/存储忙 / Profile load/save are busy
21	启用预设清单号 / Enable preset list no.	rw	1	char	2	0x01 Bit 0: 0x02 Bit 1: 0x04 Bit 2: 0x08 Bit 3:		启用预设清单1号 / Preset list no.1 is enabled 启用预设清单2号 / Preset list no.2 is enabled 启用预设清单3号 / Preset list no.3 is enabled 启用预设清单4号 / Preset list no.4 is enabled
22	预设清单 [0] U+I / Preset list [0] U+I	rw	1	int	4		Word 0:	设定电压 (%的额定电压* 256) / Set value of voltage (% of Unom * 256)
23	预设清单 [1] U+I / Preset list [1] U+I	rw	1	int	4		Word 1:	设定电流 (%的额定电流* 256) / Set value of current (% of Inom * 256)
24	预设清单 [2] U+I / Preset list [2] U+I	rw	1	int	4			
25	预设清单 [3] U+I / Preset list [3] U+I	rw	1	int	4			
26	预设清单 [0] P+R / Preset list [0] P+R	rw	1	int	4		Word 0:	设定功率 (%的额定功率* 256) / Set value of power (% of Pnom * 256)
27	预设清单 [1] P+R / Preset list [1] P+R	rw	1	int	4		Word 1:	设定阻值 (%的额定阻值* 256) / Set value of resistance (% of Rnom * 256)
28	预设清单 [2] P+R / Preset list [2] P+R	rw	1	int	4			
29	预设清单 [3] P+R / Preset list [3] P+R	rw	1	int	4			
30	最大可调电压 / Max. adjustable voltage	rw	1	int	2			电压极限 (%的额定电压* 256) / Voltage limit (% of Unom*256)
31	最小可调电压 / Min. adjustable voltage	rw	1	int	2			电压极限 (%的额定电压* 256) / Voltage limit (% of Unom*256)
32	最大可调电流 / Max. adjustable current	rw	1	int	2			电流极限 (%的额定电流* 256) / Current limit (% of Inom*256)
33	最小可调电流 / Min. adjustable current	rw	1	int	2			电流极限 (%的额定电流* 256) / Current limit (% of Inom*256)
34	最大可调功率 / Max. adjustable power	rw	1	int	2			功率极限 (%的额定功率* 256) / Power limit (% of Pnom*256)
35	最大可调内阻 / Max. adj. resistance	rw	1+2	int	2			阻值极限 (%的额定阻值率* 256) / Resistance limit (% of Rnom*256)
36	配置文件设定 / Profile settings	rw	1	char	2	0x03 Bit 0+1: : 0x08 Bit 3: : 0x10 Bit 4: : 0x00 Bit 6+7: : :		设置操作模式 / Set operation mode 0 = U/I/P mode 1 = U/I/R 过热后的反应 / Reaction after overtemperature 0= OT Alarm disappear; OFF; 1= OT Alarm disappear: Auto ON 接通电源后的反应 / Reaction after power-on 0= Power ON; OFF, 1= Power ON = auto ON 设定值模式 / Mode for set values 00 = direct adjust of set value; 01 = adjust set value with return 10 = set value via preset list
38	OVP门限 / OVP threshold	rw	1	int	2			过压设定值 (%的额定电压*256) / Overvoltage threshold (% of Unom*256)
39	U门限+时间 / U threshold +time	rw	1	int	4		Word 0:	电压值 (%的额定电压* 256) / Voltage value (% of Unom*256)
40	U门限+时间 / U threshold +time	rw	1	int	4		Word 1:	时间 / Time (见时间值格式 / see format of time values)
42	I门限+时间 / I threshold +time	rw	1	int	4		Word 0:	电流值 (%的额定电流* 256) / Current value (% of Inom*256)
43	I门限+时间 / I threshold +time	rw	1	int	4		Word 1:	时间 / Time (见时间值格式 / see format of time values)
44	监控U设定 / Supervise U settings	rw	1	char	2	0x03 Bit 1+2: U 0x30 Bit 4+5: UK		00=无 / none; 01=仅显示 / indicate only 10=警告 / Warning; 11=报警 / Alarm
45	监控I设定值 / Supervise I settings	rw	1	char	2	0x03 Bit 1+2: I 0x30 Bit 4+5: IK		00=无 / none; 01=仅显示 / indicate only 10=警告 / Warning; 11=报警 / Alarm
46	监控步宽和设定 / Supervise step resp. settings	rw	1	char	2	0x03 Bit 1+2: 0x30: Bit 4+5:		00=无 / none; 01=仅显示 / indicate only 10=警告 / Warning; 11=报警 / Alarm 00=dU; 01=di; 10= dP
47	设定值-实际值的对比 误差+时间 / Set-act. comparison tolerance + time	rw	1	int	6		Word 0: Word 1: Tsr Word 2: Tsf	误差 (%的额定值* 256) / Tolerance (% of nom.value*256) 时间 / Time (见时间值格式 / see format of time values) 时间 / Time (见时间值格式 / see format of time values)
50	U的设定值 / Set value for U	rw		int	2			设定电压 (%的额定电压* 256) / Set value of voltage (% of Unom*256)
51	I的设定值 / Set value for I	rw		int	2			设定电流 (%的额定电流* 256) / Set value of current (% of Inom*256)
52	P的设定值 / Set value for P	rw		int	2			设定功率 (%的额定功率* 256) / Set value of power (% of Pnom*256)
53	R的设定值 / Set value for R	rw	2	int	2			设定阻值 (%的额定阻值* 256) / Set value of resistance (% of Rnom*256)
54	电源控制 / Power supply control	rw		char	2	0x01 Bit 0: 0x02 Bit 1: 0x10 Bit 4: 0x40 Bit 6:		电源输出开/关 / Power output on/off 确认报警 / Acknowledge alarms 设为远程状态 / Sets into remote state 激活函数管理器 / Activate function manager
56	函数管理器的控制 / Control of function manager	rw	4	char	2	0x0F Bit 0: NEW Bit 1: STEP Bit 2: STOP Bit 3: RUN+GO		重置函数管理器为开始 / Reset fct. man. to start 执行下个序列点 / Proceed to the next seq.-point 暂停函数管理器 / Halt the function manager 启动函数管理器 /Start the function manager
58	函数的终止点 / Stop point of function	rw	4	int	4		Byte 0: Byte 1: Byte 2: Byte 3:	1 =激活终止点设定 / Set stop point active 函数重复x次后停止 / Stop after x repetitions of fct. 序列重复x次后停止 / Stop after x repetitions of seq. High nibble: 序列号 / Seq.no.; Low nibble: 序列点 / Seq.point

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70	产品状态 / Device state	ro		int	2		Byte 0: Bit 0+1: Bit 2: Bit 3: Bit 5: Bit 6: Bit 7: Byte 1: Bit 0: Bit 1+2: Bit 3: Bit 4: Bit 5: Bit 7:	查询产品状态 / Query device state 00 =自由访问 / free access; 01= Remote; 10= External; 11=Local 1 = System Link Mode 激活 / active System Link Mode: 0 = Master; 1 = Slave 1 = 由IF-Ax卡控制 / Controlled by IF-Ax 1 = 函数管理器激活 / Function manager active 1 = 菜单激活 / Menu active 1 = 输出打开 / Output on 控制器状态 / Controller state: 00=CV; 01=CR; 10= CQ; 11= CP 1 = 功率被减 / Power is reduced 1 = 报警激活 / Alarm active 1 = "Auto On" (状态解锁) / "Auto On" stage unlocked 1 = 所有从机在线 / all slaves are online
71	实际值 / Actual values	ro		int	6		Word 0: Word 1: Word 2:	实际电压 (%的额定电压* 256) / Actual voltage value (% of Unom * 256) 实际电流 (%的额定电流* 256) / Actual current value (% of Inom * 256) 实际功率 (%的额定功率* 256) / Actual power value (% of Pnom * 256)
72	瞬间设定值 / Momentary set values	ro		int	6		Word 0: Word 1: Word 2:	设定电压 (%的额定电压* 256) / Set value of voltage (% of Unom * 256) 设定电流 (%的额定电流* 256) / Set value of current (% of Inom * 256) 设定功率 (%的额定功率* 256) / Set value of power (% of Pnom * 256)
73	带时间标识U+I的实际值 / Actual values U+I with time stamp	ro		int	6		Word 0: Word 1: Word 2:	电压值 (%的额定电压* 256) / Voltage value (% of Unom * 256) 电流值 (%的额定电流* 256) / Current value (% of Inom * 256) 运行函数总时间的后一部分 (2ms产品) / Lower part of the total time of running fct. (2ms units)
74	函数控制状态 / State of function control	ro	4	char	2		Bit 0: NEW Bit 1: STEP Bit 2: STOP Bit 3: RUN	函数流位于起始点 / Function flow is at the starting point 直到下个点即开始执行 / Execute until next point 函数流停止 / Function flow stopped 函数管理器正在运行 / Function manager is running
75	执行函数状态 / State of the executed function	ro	4	int	6		Byte 0: Byte 1: Byte 2: Byte 3: Word 2:	含对象74的值 / Contains value of object 74 重复当前函数 / Repetitions of current function 重复当前序列 / Repetitions of current sequence High nibble: 序列号 / Seq.no.; Low nibble: 序列点 / Seq.point 运行函数总时间的后一部分 (ms) / Lower part of the total time of running fct. (ms)
77	产品通知 / Device notifications	ro		int	6		Byte 0: Byte 1: Byte 2: Byte 3: Byte 4: Byte 5:	最后的错误类型 / Last alarm type 最后的错误代码 / Last alarm code 2. 错误类型 / alarm type 2. 错误代码 / alarm code 1. 错误类型 / alarm type 1. 错误代码 / alarm code (请见用户手册 "Programming" 里的报警表 / see alarm table in user guide "Programming")
78	执行函数总需时 / Total time of executed fct.	ro	4	int	4			运行函数总计时间 (以ms为单位) / Total time of running fct. in milliseconds
80	System Link配置 1 / System Link configuration 1	ro		char	2	0x60	Bit: 5+6	00或01 = System Link Mode未激活 / not activated 10= System Link Mode: 产品为从机 / Device is slave 11= System Link Mode: 产品为主机 / Device is master
81	System Link配置 2 / System Link configuration 2	ro		char	2		Bit: 0~4 Bit: 5...7	并联到主机的产品数量 / Number of devices in parallel to the master 串联到主机的产品数量 / Number of devices in serial to the master
90	存储函数&查询状态 / Store function & query status	rw	1+5	char	2	0x01 0x04 0x20	Bit: 0 Bit: 2 Bit: 4 Bit: 5 Bit: 6	启用函数数据传输 / Enable transmission of function data 保存函数数据 / Save function data 产品位于函数管理器模式 / Device in function manager mode 转至函数管理器 / Switch to function manager 函数管理器忙 / Function manager busy
91	设置函数 / Setup of function	rw	1+3	int	6		Byte 0: Bit 0..2 Bit 4..6 Byte 1: Bit 0..2 Bit 4..6 Byte 2: Bit 0..2 Bit 7 Byte 3: Word 2: (Bytes 4+5)	1. 在函数管理器中处理的第1个序列 (1 to 5) / 1st sequence (1 to 5) to process in fct. 2. 在函数管理器中处理的第2个序列 (1 to 5) / 2nd sequence (1 to 5) to process in fct. 3. 在函数管理器中处理的第3个序列 (1 to 5) / 3rd sequence (1 to 5) to process in fct. 4. 在函数管理器中处理的第4个序列 (1 to 5) / 4th sequence (1 to 5) to process in fct. 5. 在函数管理器中处理的第5个序列 (1 to 5) / 5th sequence (1 to 5) to process in fct. 0= UIP Mode; 1= UIR Mode (仅在解锁后工作 / only if unlocked) 设为0 / set to 0 重复函数 / Repetitions of the sequence 范围: 1..255; 255= 无穷大 / Range: 1..255;255=endless
92	设置第1列 / Setup of 1st sequence	rw	1+3	int	6		Word 0:	功率极限值 (%的额定功率* 256) / Power limit (% of Pnom *256)
93	设置第2列 / Setup of 2nd sequence	rw	1+3	int	6		Word 1:	阻值 (%的额定阻值* 256) / Resistance (% of Rnom *256)
94	设置第3列 / Setup of 3rd sequence	rw	1+3	int	6		Word 2:	序列重复次数 / Repetitions of sequence
95	设置第4列 / Setup of 4th sequence	rw	1+3	int	6			范围: 1..255; 255=无穷大 / Range: 1..255;255=endless
96	设置第5列 / Setup of 5th sequence	rw	1+3	int	6			
97	第1列的第1个序列点 / 1st seq.point of 1st sequence	rw	1+3	int	6		Word 0:	时间 / Time (见时间值格式 / see format of time values)
98	第1列的第2个序列点 / 2nd seq.point of 1st sequence	rw	1+3	int	6		Word 1:	电压值 (%的额定电压* 256) / Voltage value (% of Unom * 256)
99	第1列的第3个序列点 / 3rd seq.point of 1st sequence	rw	1+3	int	6		Word 2:	电流值 (%的额定电流* 256) / Current value (% of Inom * 256)

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100	第1列的第4个序列点 / 4th seq.point of 1st sequence	rw	1+3	int	6		Word 0:	时间 / Time (见时间值格式 / see format of time values)
101	第1列的第5个序列点 / 5th seq.point of 1st sequence	rw	1+3	int	6		Word 1:	电压值 (%的额定电压* 256) / Voltage value (% of Unom * 256)
102	第1列的第6个序列点 / 6th seq.point of 1st sequence	rw	1+3	int	6		Word 2:	电流值 (%的额定电流* 256) / Current value (% of Inom * 256)
103	第1列的第7个序列点 / 7th seq.point of 1st sequence	rw	1+3	int	6			
104	第1列的第8个序列点 / 8st seq.point of 1st sequence	rw	1+3	int	6			
105	第1列的第9个序列点 / 9th seq.point of 1st sequence	rw	1+3	int	6			
106	第1列的第10个序列点 / 10th seq.point of 1st sequence	rw	1+3	int	6			
107	第2列的第1个序列点 / 1st seq.point of 2nd sequence	rw	1+3	int	6			
108	第2列的第2个序列点 / 2nd seq.point of 2nd sequence	rw	1+3	int	6			
109	第2列的第3个序列点 / 3rd seq.point of 2nd sequence	rw	1+3	int	6			
110	第2列的第4个序列点 / 4th seq.point of 2nd sequence	rw	1+3	int	6			
111	第2列的第5个序列点 / 5th seq.point of 2nd sequence	rw	1+3	int	6			
112	第2列的第6个序列点 / 6th seq.point of 2nd sequence	rw	1+3	int	6			
113	第2列的第7个序列点 / 7th seq.point of 2nd sequence	rw	1+3	int	6			
114	第2列的第8个序列点 / 8th seq.point of 2nd sequence	rw	1+3	int	6			
115	第2列的第9个序列点 / 9th seq.point of 2nd sequence	rw	1+3	int	6			
116	第2列的第10个序列点 / 10th seq.point of 2nd sequence	rw	1+3	int	6			
117	第3列的第1个序列点 / 1st seq.point of 3rd sequence	rw	1+3	int	6			
118	第3列的第2个序列点 / 2nd seq.point of 3rd sequence	rw	1+3	int	6			
119	第3列的第3个序列点 / 3rd seq.point of 3rd sequence	rw	1+3	int	6			
120	第3列的第4个序列点 / 4th seq.point of 3rd sequence	rw	1+3	int	6			
121	第3列的第5个序列点 / 5th seq.point of 3rd sequence	rw	1+3	int	6			
122	第3列的第6个序列点 / 6th seq.point of 3rd sequence	rw	1+3	int	6			
123	第3列的第7个序列点 / 7th seq.point of 3rd sequence	rw	1+3	int	6			
124	第3列的第8个序列点 / 8th seq.point of 3rd sequence	rw	1+3	int	6			
125	第3列的第9个序列点 / 9th seq.point of 3rd sequence	rw	1+3	int	6			
126	第3列的第10个序列点 / 10th seq.point of 3rd sequence	rw	1+3	int	6			
127	第4列的第1个序列点 / 1st seq.point of 4th sequence	rw	1+3	int	6			
128	第4列的第2个序列点 / 2nd seq.point of 4th sequence	rw	1+3	int	6			
129	第4列的第3个序列点 / 3rd seq.point of 4th sequence	rw	1+3	int	6			
130	第4列的第4个序列点 / 4th seq.point of 4th sequence	rw	1+3	int	6			
131	第4列的第5个序列点 / 5th seq.point of 4th sequence	rw	1+3	int	6			
132	第4列的第6个序列点 / 6th seq.point of 4th sequence	rw	1+3	int	6			
133	第4列的第7个序列点 / 7th seq.point of 4th sequence	rw	1+3	int	6			
134	第4列的第8个序列点 / 8th seq.point of 4th sequence	rw	1+3	int	6			
135	第4列的第9个序列点 / 9th seq.point of 4th sequence	rw	1+3	int	6			
136	第4列的第10个序列点 / 10th seq.point of 4th sequence	rw	1+3	int	6			
137	第5列的第1个序列点 / 1st seq.point of 5th sequence	rw	1+3	int	6			
138	第5列的第2个序列点 / 2nd seq.point of 5th sequence	rw	1+3	int	6			
139	第5列的第3个序列点 / 3rd seq.point of 5th sequence	rw	1+3	int	6			
140	第5列的第4个序列点 / 4th seq.point of 5th sequence	rw	1+3	int	6			
141	第5列的第5个序列点 / 5th seq.point of 5th sequence	rw	1+3	int	6			
142	第5列的第6个序列点 / 6th seq.point of 5th sequence	rw	1+3	int	6			
143	第5列的第7个序列点 / 7th seq.point of 5th sequence	rw	1+3	int	6			
144	第5列的第8个序列点 / 8th seq.point of 5th sequence	rw	1+3	int	0			
145	第5列的第9个序列点 / 9th seq.point of 5th sequence	rw	1+3	int	0			
146	第5列的第10个序列点 / 10th seq.point of 5th sequence	rw	1+3	int	4			
190	以太网IP地址 / Ethernet IP	rw		char	4		Bytes 0 - 3:	IP地址 (无小数点) / IP address (without dots) *
191	以太网子网掩码 / Ethernet subnet mask	rw		char	4		Bytes 0 - 3:	子网掩码 (无小数点) / Subnet mask (without dots) *
192	以太网网关 / Ethernet Gateway	rw		char	4		Bytes 0 - 3:	网关地址 (无小数点) / Gateway address (without dots) *

注解 / Legend:

ro =只读 / Read only

rw = 读和写 / Read and write

int = 16位数值 / value


char = 8位数值 / value


float = 32位浮点数 / Floating point number

string =以0x00为结尾的字符串 / String with 0x00 at the end

long = 32位数值 / value

* 举例: 192. 168. 0. 10 会生成 C0 A8 00 0A / Example: 192. 168. 0. 10 results in C0 A8 00 0A

 仅当选项解锁后 / only if option is unlocked

 电流配置文件的一部分 / Part of current profile

 与函数管理器有关 / Related to the function manager