Can Open standard SDOs

SDO Areas

Address HEX	Address DEC	Register Area or signle parameter
0x1000	4096	Device type
0x1001	4097	Error register
0x1002	4098	Alarm register
0x100C	4108	NodeGuard Guard Time (ms)
0x1017	4119	Heartbeat producer Time (ms)
0x1018	4120	Vendor ID
0x1019 to 0x1FFF	4121 to 8191	Modbus RTU Drive Registers from 1793 to 5836
0x2000 to 0x3FA4	8192 to 16292	Modbus RTU Drive Registers from 0 to 8100
0x3FA5 to 0x6502	16293 to 25858	SDO area - see the list below

Alarm Register Bits

Alarm type	D0	D1	D2	D3	D4	D5	D6	D7
OVERLOAD I2T	1	X	X	X	X	X	X	X
SINCOS OVERRANGE	X	1	X	X	X	X	X	X
MOTOR OVERTEMP	X	X	1	X	X	X	X	X
DCLINK OVERANGE	X	X	X	1	X	X	X	X
MOTOR OVERCURRENT	X	X	X	X	1	X	X	X

SDO list

	Address HEX	Address DEC	Description	Access
1	0x603F	24639	Error Code	Read only
2	0x6040	24640	Controlword	Read and write
3	0x6041	24641	Statusword	Read only
4	0x605A	24666	Quick stop option code	Read and write
5	0x605B	24667	Shutdown option code	Read and write
6	0x605C	24668	Disable operation option code	Read and write
7	0x605E	24670	Fault reaction option code	Read and write
8	0x6060	24672	Modes of operation	Read and write
9	0x6061	24673	Modes of operation display	Read only
10	0x6062	24674	Position demand value	Read only
11	0x6063	24675	Position acutal internal value	Read only
12	0x6064	24676	Position actual value	Read only
13	0x6065	24677	Following error window	Read and write
14	0x6066	24678	Following error time out	Read and write
15	0x6067	24679	Position window	Read and write
16	0x6068	24680	Position window time	Read and write

17	0x606B	24683	Velocity demand Value	Read only
18	0x606C	24684	Velocity Actual Value	Read only
19	0x606D	24685	Velocity window	Read and write
20	0x606E	24686	Velocity window time	Read and write
21	0x606F	24687	Velocity threshold	Read and write
22	0x6070	24688	Velocity threshold time	Read and write
23	0x6071	24689	Target torque	Read and write
24	0x6072	24690	Max torque	Read and write
25	0x6077	24695	Torque actual value	Read only
26	0x607A	24698	Target position	Read and write
27	0x607B	24699	Position range limit	Read and write
28	0x607C	24700	Home offset	Read and write
29	0x607D	24701	Software position limit	Read and write
30	0x607E	24702	Polarity	Read and write
31	0x607F	24703	Max profile velocity	Read and write
32	0x6081	24705	Profile velocity	Read and write
33	0x6082	24706	End velocity	Read and write
34	0x6083	24707	Profile acceleration	Read and write
35	0x6084	24708	Profile deceleration	Read and write
36	0x6085	24709	Quick stop deceleration	Read and write
37	0x6086	24710	Motion profile type	Read and write
38	0x6087	24711	Torque slope	Read and write
39	0x6088	24712	Torque profile type	Read only
40	0x608F	24719	Position encoder resolution	Read and write
41	0x6098	24728	Homing methods	Read only
42	0x6099	24729	Homing speeds	Read and write
43	0x609A	24730	Homing acceleration	Read and write
44	0x60B0	24752	Position offset	Read and write
45	0x60B1	24753	Velocity offset	Read and write
46	0x60B2	24754	Torque offset	Read and write
47	0x60C2	24770	Interpolation time period	Read and write
48	0x60FD	24829	Digital inputs	Read only
49	0x60FE	24830	Digital output	Read and write
50	0x60FF	24831	Target velocity	Read and write
51	0x6502	25858	Supported drive modes	Read only

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