

CONTENTS

1			
2			
3	FOREWORD		4
4	INTRODUCTION		6
5	1 Scope		7
6	2 Normative references		7
7	3 Terms and definitions		7
8	4 General		8
9	4.1 General		8
10	4.2 Version number		8
11	4.3 Insulation		8
12	5 Electrical specification		8
13	6 Interface power supply		8
14	7 Transmission protocol structure		8
15	8 Timing		8
16	9 Method of operation		9
17	9.1 General		9
18	9.2 Instance type		9
19	9.3 Input signal and value		9
20	9.3.1 General		9
21	9.3.2 Binary inputs		9
22	9.3.3 Analogue inputs		9
23	9.4 Events		10
24	9.4.1 Priority use		10
25	9.4.2 Bus usage		10
26	9.4.3 Encoding		10
27	9.4.4 Event configuration		10
28	9.4.5 Event generation		10
29	9.5 Configuring the input device		11
30	9.5.1 Using the report timer		11
31	9.5.2 Using the deadtime timer		11
32	9.5.3 Setting the timers		11
33	9.5.4 Manual configuration		11
34	9.6 Exception handling		12
35	9.6.1 Error value		12
36	10 Declaration of variables		12
37	11 Definition of commands		13
38	11.1 General		13
39	11.2 Overview sheets		13
40	11.2.1 General		13
41	11.2.2 Standard commands		13
42	11.3 Event messages		13
43	11.3.1 INPUT NOTIFICATION (<i>device/instance, event</i>)		13
44	11.3.2 POWER NOTIFICATION (<i>device</i>)		13
45	11.4 Device control instructions		13

46	11.5	Device configuration instructions	13
47	11.6	Device queries.....	13
48	11.7	Instance control instructions	14
49	11.8	Instance configuration instructions.....	14
50	11.8.1	General	14
51	11.8.2	SET REPORT TIMER (<i>DTR0</i>)	14
52	11.8.3	SET DEADTIME TIMER (<i>DTR0</i>).....	14
53	11.8.4	SET EVENT FILTER (<i>DTR0</i>).....	14
54	11.9	Instance queries	14
55	11.9.1	General	14
56	11.9.2	QUERY INSTANCE ERROR.....	14
57	11.9.3	QUERY DEADTIME TIMER	14
58	11.9.4	QUERY REPORT TIMER	14
59	11.9.5	QUERY SWITCH.....	14
60	11.10	Special commands	14
61	Annex A (normative)	Examples of connecting external switches or sliders	15
62	A.1	Single switch	15
63	A.2	Single switch, two positions	15
64	A.3	Single switch with neutral position	15
65	A.4	Rotary switch.....	15
66	A.5	Slider.....	16
67	12	Bibliography	17
68			
69	Figure A.1	– Single switch (SPST).....	15
70	Figure A.2	– Single switch double throw (SPDT).....	15
71	Figure A.3	– Single switch (SPDT) with neutral position.....	15
72	Figure A.4	– Rotary switch.....	15
73	Figure A.5	– Slider	16
74			
75	Table 1	– Relation of input signal and " <i>inputValue</i> "	9
76	Table 2	– Position events	10
77	Table 3	– Event filter	10
78	Table 4	– Event timer setting	11
79	Table 5	– " <i>manualCapabilityInstance3xx</i> " values.....	11
80	Table 6	– " <i>instanceErrorByte</i> " values.....	12
81	Table 7	– Restrictions to instance variables defined in IEC 62386-103-amd1:2014.....	12
82	Table 8	– Declaration of instance variables	13
83	Table 9	– Standard commands	13
84			
85			