CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2020312304000876

Applicant	ROSE Systemtechnik GmbH
Address	Erbeweg 13 - 15, 32457 Porta Westfalica, Germany
Manufacturer	ROSE Systemtechnik GmbH
Address	Erbeweg 13 - 15, 32457 Porta Westfalica, Germany
Production Factory	Phoenix Mecano India Pvt Ltd.
Production Address	Plant -I & II, Pirangut Industrial Area, Post Gohotawade, Plot 388/389, Village Bhare, Taluka Mulshi, Dist-Pune - 412115, India
Product	Control Box
Model/Type	Type 35.XX XX XX and 36.XX XX XX
Ex marking	Ex d e ia [ia] mb IIC T4/T5/T6 Gb, Ex tD A21 IP66 T85°C/T100°C/T135°C
Reference Standards	GB3836.1-2010, GB3836.2-2010, GB3836.3-2010, GB3836.4-2010, GB3836.9-2014, GB12476.1-2013, GB12476.5-2013
Certification mode	Type Test + Initial Factory Inspection + Post-Certification Surveillance

The product(s) is verified and certified according to CNCA-C23-01: 2019 *China Compulsory Certification Implementation Rule on Explosion Protected Electrical Product and* CNEX-C2301-2019 *Guideline of China Compulsory Certification Implementation Rule on Explosion Protected Electrical Product.*

See Annex for the detailed product information(10 pages)

Issued on: 2020-10-28 Valid to: 2025-10-27

The validity of this certificate is maintained through the regular supervision of the issuing authority during the validity period.

Where any discrepancy arises between the English translation and the original Chinese version, the Chinese version shall prevail.

Director:

防爆电气研究所有限公司

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Tel: 0377-63239734 Email: ccc@cn-ex.com

CN 0000272

CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

(Annex)

No.: 2020312304000876

Product information:

1. This certificate covers the following models:

- Enclosure standard and max. Power Dissipation of Ex Stainless Steel Enclosure:

Type reference:			Increased Safety 35.XX XX XX Ex Stainless Steel Standard Intrinsic Safety / mixed assembled 36.XX XX XX Ex Stainless Steel Standard		
No.	Product type	Height (mm)	Width (mm)	Depth (mm)	Max.Power Dissipation[W](dT40K)
1	XX.10 10 06	100	100	61	6
2	XX.15 10 06	100	150	61	8
3	XX.20 10 06	100	200	61	10
4	XX.15 15 08	150	150	81	12
5	XX.16 50 15	500	162	151	51
6	XX.30 15 08	150	300	78	22
7	XX.30 15 13	150	230	131	22
8	XX.40 15 08	150	400	81	28
9	XX.20 20 08	200	200	81	19
10	XX.20 2012	200	200	121	24
11	XX.30 20 08	200	300	81	27
12	XX.30 20 12	200	300	121	33
13	XX.30 30 19	300	300	195	56
14	XX.30 38 19	380	300	195	67
15	XX.30 38 21	380	300	211	70
16	XX.38 38 19	380	380	195	79
17	XX.40 20 12	200	400	121	42
18	XX.40 20 16	200	400	161	46
19	XX.60 20 12	200	600	121	59
20	XX.30 30 12	300	300	121	43
21	XX.30 30 15	306	306	151	50
22	XX.30 30 16	300	300	161	50

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No.: 2020312304000876

23	XX.40 30 16	300	400	161	63
24	XX.45 38 15	458	382	151	81
25	XX.50 30 16	300	500	161	76
26	XX.38 30 21	300	380	211	69
27	XX.38 38 16	380	380	161	71
28	XX.38 38 21	380	380	211	82
29	XX.40 40 16	400	400	161	77
30	XX.40 65 19	650	400	195	126
31	XX.50 40 16	400	500	161	92
32	XX.60 30 16	300	600	161	85
33	XX.60 38 21	380	600	211	115
34	XX.60 60 21	600	600	211	163
35	XX.60 70 19	700	600	195	179
36	XX.60 90 19	900	600	195	222
37	XX.76 76 21	760	760	238	250
38	XX. XX XX XX	Max.1200	Max.2000	Max.500	

- Enclosure standard and max. Power Dissipation of Ex Stainless Steel Cabinets:

Type reference:			Increased Safety 35.00 XX XX Ex Stainless Steel Cabinets Intrinsic Safety / mixed assembled 36.00 XX XX Ex Stainless Steel Cabinets		
No.	Product type	Height (mm)	Width (mm)	Depth (mm)	Max.Power Dissipation[W](dT40K)
1	XX.XX 22 09	250	200	90	24
2	XX.XX 22 15	250	200	150	32
3	XX.XX 32 09	250	300	90	33
4	XX.XX 32 15	250	300	150	42
5	XX.XX 33 16	300	300	165	51
6	XX.XX 34 21	300	380	215	70
7	XX.XX 43 16	300	400	165	62
8	XX.XX 52 09	250	500	90	50

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9	XX.XX 52 15	250	500	150	62
10	XX.XX 53 16	300	500	165	74
11	XX.XX 63 16	300	600	165	86
12	XX.XX 44 16	380	380	165	72
13	XX.XX 41 21	380	380	215	83
14	XX.XX 64 21	380	600	215	116
15	XX.XX 99 99	Max.1200	Max.2000	Max.500	

- Enclosure standard and max. Power Dissipation of Enclosure Flange 1. and 2. Generation:

Type reference:					
		Increased Safety 35.00 XX XX Ex Stainless Steel Flange 1. Generation 35.03 XX XX Ex Stainless Steel Flange 2. Generation Intrinsic Safety / mixed assembled 36.00 XX XX Ex Stainless Steel Flange 1. Generation 36.03 XX XX Ex Stainless Steel Flange 2. Generation			
Stainless Steel Flange 1. Generation					
No.	Product type	Height (mm)	Width (mm)	Depth (mm)	Max.Power Dissipation[W](dT40K)
1	XX.XX 99 99	Max.1200	Max.2000	Max.500	
Stainless Steel Flange 2. Generation					
1	XX.XX 33 01	306	306	217	61
2	XX.XX 43 01	382	458	217	96
3	XX.XX 75 04	508	762	217	175
4	XX.XX 86 04	640	860	217	230
5	XX.XX 97 04	740	980	217	288
6	XX.XX 99 99	Max.1200	Max.2000	Max.500	

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- Enclosure standard and max. Power Dissipation of ProtEx Stainless Steel Flange:

Type reference:			Increased Safety 35.04 XX XX ProtEx electropolished 35.05 XX XX ProtEx electropolished / Return Flange 34.06 XX XX ProtEx polished 34.07 XX XX ProtEx polished / Return Flange Intrinsic Safety 36.04 XX XX ProtEx electropolished 36.05 XX XX ProtEx electropolished / Return Flange 36.06 XX XX ProtEx polished 36.07 XX XX ProtEx polished / Return Flange		
No.	Product type	Height (mm)	Width (mm)	Depth (mm)	Max.Power Dissipation[W](dT40K)
1	XX.XX 02 00	260	260	205	47
2	XX.XX 03 00	306	306	205	59
3	XX.XX 04 00	380	260	205	63
4	XX.XX 05 00	458	382	205	94
5	XX.XX 06 00	480	480	205	114
6	XX.XX 07 00	500	350	205	95
7	XX.XX 08 00	620	450	205	134
8	XX.XX 09 00	740	550	205	180
9	XX.XX 10 00	762	508	205	174
10	XX.XX 11 00	860	640	205	229
11	XX.XX 12 00	914	610	205	233
12	XX.XX 13 00	980	740	205	286

- Enclosure standard and max. Power Dissipation of Enclosure Captive Clamp Ex flange:

Type reference:	Increased Safety

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			35.08 XX XX Captive Clamp Intrinsic Safety 36.08 XX XX Captive Clamp		
No.	Product type	Height (mm)	Width (mm)	Depth (mm)	Max.Power Dissipation[W](dT40K)
1	XX.08 06 01	306	306	205	59
2	XX.08 06 02	350	480	205	90
3	XX.08 06 03	400	600	205	118
4	XX.08 06 04	450	382	205	93
5	XX.08 06 05	458	382	205	94
6	XX.08 06 06	508	762	205	170
7	XX.08 06 07	620	450	205	134
8	XX.08 06 08	620	450	230	142
9	XX.08 06 09	640	860	205	225
10	XX.08 06 10	640	860	230	236
11	XX.08 06 12	400	382	205	84
12	XX.08 06 13	450	620	230	139

- Enclosure standard and max. Power Dissipation of Enclosure Stainless Steel Special Size:

Type reference:			Increased Safety 35.XX XX XX Ex Stainless Steel Special Size Intrinsic Safety 36.XX XX XX Ex Stainless Steel Special Size		
No.	Product type	Height (mm)	Width (mm)	Depth (mm)	Max.Power Dissipation[W](dT40K)
1	XX.00 90 51	380	600	217	117
2	XX.00 90 52	860	640	217	234
3	XX.00 90 53	400	450	217	98
4	XX.05 10 01	762	508	217	179
5	XX.20 20 12	200	200	121	24
6	XX.03 90 29	560	400	227	120

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7	XX.03 90 30	306	250	205	52
8	XX.00 90 29	300	380	217	70
9	XX.00 90 30	306	306	217	61
10	XX.00 90 31	485	382	217	101
11	XX.03 90 31	340	306	200	63
12	XX.03 90 32	458	382	200	93
13	XX.03 90 33	480	480	200	113
14	XX.03 90 38	360	380	210	79
15	XX.03 90 43	425	380	210	89
16	XX.03 90 44	354	262	227	64
17	XX.03 90 45	454	502	227	119
18	XX.03 90 49	442	458	217	107
19	XX.03 90 50	90	51	185	226
20	XX.03 90 51	386	314	227	77
21	XX.03 90 52	300	380	217	70
22	XX.03 90 53	400	200	121	42
23	XX.90 90 29	236	176	150	28
24	XX.00 90 35	400	400	200	86
25	XX.03 90 54	980	740	400	385
26	XX.03 90 55	740	553	300	217
27	XX.03 90 56	500	350	300	119
28	XX.03 90 57	325	325	230	69
29	XX.03 90 58	325	325	200	64
30	XX.03 90 59	200	200	125	24
31	XX.03 90 60	500	500	200	120
32	XX.03 90 61	730	730	240	235
33	XX.03 90 67	306	306	200	58
34	XX.03 90 68	480	480	200	113
35	XX.03 90 69	300	400	200	69
36	XX.03 90 70	530	480	210	125
37	XX.90 90 32	600	600	161	89
38	XX.00 90 38	300	380	210	69

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39	XX.03 90 71	470	420	227	108
40	XX.00 90 98	1400	800	400	545
41	XX.03 91 00	300	300	167	51
42	XX.03 91 01	600	600	217	165
43	XX.90 90 51	500	1000	400	291
44	XX.00 90 48	380	380	217	84
45	XX.03 91 03	500	300	160	75
46	XX.03 91 04	306	306	210	60
47	XX.03 91 05	350	350	180	67
48	XX.03 91 06	200	200	180	30
49	XX.03 91 07	500	450	200	111
50	XX.03 90 99	380	380	217	84
51	XX.03 91 01	250	200	157	33
52	XX.00 90 46	600	600	300	194
53	XX.00 90 49	500	300	160	75
54	XX.00 90 50	300	300	160	50
55	XX.90 90 57	800	600	280	236
56	XX.00 90 61	1200	1000	300	495
57	XX.00 90 62	380	380	161	71
58	XX.00 90 63	500	400	161	92
59	XX.03 91 08	300	350	160	56
60	XX.03 91 09	300	400	160	62
61	XX.03 91 10	200	200	160	28
62	XX.03 91 11	360	360	150	63
63	XX.00 90 54	525	375	210	105
64	XX.00 90 55	415	265	210	70
65	XX.00 90 56	500	350	200	94
66	XX.00 90 57	300	265	160	46
67	XX.00 90 58	200	200	120	23
68	XX.03 91 12	237	117	91	16
69	XX.90 90 53	727	360	190	128
70	XX.00 90 59	300	450	217	79

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71	XX.00 90 60	300	380	217	70
72	XX.03 91 13	306	245	217	53
73	XX.03 91 14	382	458	217	96
74	XX.90 90 54	360	360	150	63
75	XX.90 90 55	237	177	91	21
76	XX.90 90 56	727	400	190	137
77	XX.03 90 75	600	380	217	120
78	XX.03 91 15	500	400	320	134
79	XX.00 90 65	400	400	300	109
80	XX.90 90 33	250	250	120	33
81	XX.90 90 42	120	120	80	9
82	XX.03 90 36	260	260	200	47
83	XX.03 90 66	260	260	150	39
84	XX.00 90 40	500	380	210	102
85	XX.03 90 72	380	380	210	82
86	XX.03 90 73	306	306	210	60
87	XX.03 90 74	1200	600	300	344
88	XX.03 90 76	1200	840	300	434
89	XX.03 90 77	1200	640	300	359
90	XX.90 90 39	600	400	210	122
91	XX.90 90 40	600	600	210	163
92	XX.90 90 41	1000	800	300	359
93	XX.90 90 38	400	400	210	88
94	XX.03 90 78	800	800	300	299
95	XX.03 90 79	1100	1100	300	485
96	XX.00 90 42	800	600	300	244
97	XX.03 90 83	150	150	130	16
98	XX.03 36 01	380	260	205	63
99	XX.03 90 84	600	400	200	119
100	XX.05 10 00	762	508	205	174
101	XX.90 90 44	500	400	217	107
102	XX.03 90 86	1130	750	300	380

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103	XX.90 90 43	100	180	81	10
104	XX.90 90 48	100	100	81	7
105	XX.03 90 87	500	380	217	104
106	XX.03 90 88	300	300	160	50
107	XX.03 90 89	380	380	160	71
108	XX.03 90 91	500	400	161	92
109	XX.03 90 92	1000	1000	300	425
110	XX.03 90 94	760	560	280	216
111	XX.03 90 80	306	306	217	61
112	XX.03 90 81	150	150	130	16
113	XX.03 90 95	760	600	300	234
114	XX.03 90 96	360	360	150	63
115	XX.03 90 97	360	360	190	72
116	XX.00 90 45	670	470	360	200

Ambient temperature:

-55 °C to +90 °C: with gasket out of silicon
-40 °C to +90 °C: with gasket out of HF
-40 °C to +90 °C with PU-foam
-20 °C to +85 °C with gasket out of CR
-50 °C to +85 °C with window out of PC
-20 °C to +85 °C with window out of glass

Degree of protection: IP66
Rated voltage: Up to 1500 V
Rated current: Max. 500 A
Conductor size: Max. 300 mm²
Protective cross section: Max. 150 mm²

Nomenclature:

XX.	**	**	**
(1)	(2)	(3)	(4)

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CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

(Annex)

No.: 2020312304000876

(1): Type, material Polyester
(2): Length
(3): Width
(4): Depth

Ex marking: Ex d e ia [ia] mb IIC T4/T5/T6 Gb,

Ex tD A21 IP66 T85°C/T100°C/T135°C

Note: The composition of the symbol specifying the type of protection depends on the types of protection of the components used.

- Producers should organize production in accordance with the technical documents approved by the certification body.

2. Specific conditions of safety use:

   - See instruction.

3. Certificate related report(s):

   - Type test report: CQST2006C004G

   - Factory inspection report: CN2020Q010227

4. Certificate change information: None.

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