

MAX DISSIPATED POWER and TEMPERATURE CLASS as a Function of AMBIENT TEMPERATURE

series
**CCA
CPS**

B

Protection Mode Ex d															
Temperature Class															
Enclosure	Ambient +40°C			Ambient +50°C			Ambient +60°C			Ambient +70°C			Ambient +80°C		
	T6	T5	T4	T6	T5	T4	T6	T5	T4	T6	T5	T4	T6	T5	T4
CCA 0	23	29	49	14	23	43	9	17	37	3	12	32	--	6	26
CCA 0 / 182	32	40	68	20	32	60	12	24	52	4	16	44	--	8	36
CCA 0 / 212	37	46	79	23	37	69	14	28	60	5	19	51	--	9	42
CCA 1	28	35	60	18	28	53	11	21	46	4	14	39	--	7	32
CCA 1 / 195	39	49	83	24	39	73	15	29	63	5	20	54	--	10	44
CCA 1 / 235	46	58	98	29	46	86	17	35	75	6	23	63	--	12	52
CCA 2	39	49	83	24	39	73	15	29	63	5	20	54	--	10	44
CCA 2 / 235	53	66	113	33	53	99	20	40	86	7	27	73	--	13	60
CCA 2 / 303	66	83	140	41	66	124	25	50	107	8	33	91	--	17	74
CCA 3	56	70	119	35	56	105	21	42	91	7	28	77	--	14	63
CCA 3 / 279	77	96	164	48	77	144	29	58	125	10	39	106	--	19	87
CCA 3 / 354	95	119	202	59	95	178	36	71	154	12	48	131	--	24	107
CCA 4	80	100	170	50	80	150	30	60	130	10	40	110	--	20	90
CCA 4 / 328	109	136	232	68	109	204	41	82	177	14	55	150	--	27	123
CCA 4 / 403	130	163	276	81	130	244	49	98	211	16	65	179	--	33	146
CCA 5	90	113	191	56	90	169	34	68	146	11	45	124	--	23	101
CCA 5 / 373	139	174	295	87	139	261	52	104	226	17	70	191	--	35	156
CCA 5 / 463	168	210	357	105	168	315	63	126	273	21	84	231	--	42	189

Protection Mode Ex d [ia]	
Amb. Temp. -20°C ÷ +40°C	
Enclosure	Temp. Class T6
CCA 0 / ...	11
CCA 1 / ...	12
CCA 2 / ...	18
CCA 3 / ...	26
CCA 4 / ...	34
CCA 5 / ...	40

Protection Mode Ex d															
Temperature Class															
Enclosure	Ambient +40°C			Ambient +50°C			Ambient +60°C			Ambient +70°C			Ambient +80°C		
	T6	T5	T4	T6	T5	T4	T6	T5	T4	T6	T5	T4	T6	T5	T4
CPS 0	20	25	43	13	20	38	8	15	33	3	10	28	--	5	23
CPS 0 / 170	27	34	57	17	27	51	10	20	44	3	14	37	--	7	30
CPS 0 / 200	31	39	66	19	31	58	12	23	50	4	16	43	--	8	35
CPS 1	24	30	51	15	24	45	9	18	39	3	12	33	--	6	27
CPS 1 / 180	32	40	68	20	32	60	12	24	52	4	16	44	--	8	36
CPS 1 / 220	38	48	81	24	38	71	14	29	62	5	19	52	--	10	43
CPS 2	33	41	70	21	33	62	15	25	54	4	17	45	--	8	37
CPS 2 / 239	48	60	102	30	48	90	18	36	78	6	24	66	--	12	54
CPS 2 / 289	57	71	121	36	57	107	21	43	93	7	29	78	--	14	64
CPS 3	46	58	98	29	46	86	17	35	75	6	23	63	--	12	52
CPS 3 / 259	64	80	136	40	64	120	24	48	104	8	32	88	--	16	72
CPS 3 / 334	80	100	170	50	80	150	30	60	130	10	40	110	--	20	90
CPS 4	66	83	140	41	66	124	25	50	107	8	33	91	--	17	74
CPS 4 / 305	91	114	193	57	91	171	34	68	148	11	46	125	--	23	102
CPS 4 / 380	110	138	234	69	110	206	41	83	179	14	55	151	--	28	124
CPS 5	86	108	183	54	86	161	32	65	140	11	43	118	--	22	97
CPS 5 / 345	116	145	247	73	116	218	44	87	189	15	58	160	--	29	131
CPS 5 / 435	142	178	302	89	142	266	53	107	231	18	71	195	--	36	160

Protection Mode Ex d [ia]	
Amb. Temp. -20°C ÷ +40°C	
Enclosure	Temp. Class T6
CPS 0 / ...	9
CPS 1 / ...	10
CPS 2 / ...	15
CPS 3 / ...	23
CPS 4 / ...	32
CPS 5 / ...	37

NOTES

Data given in the tables are expressed in W.

For the enclosures containing circuits and/or Intrinsically Safe apparatus it is allowed only temperature class T6 with

reference to an ambient temperature range -20°C ÷ +40°C.

