

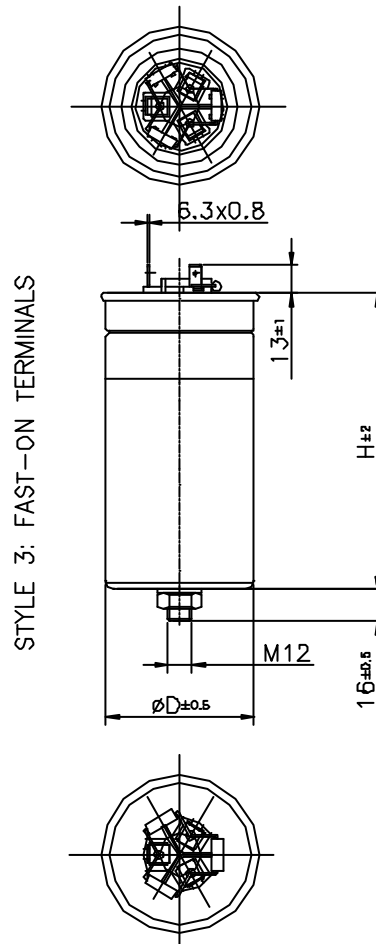
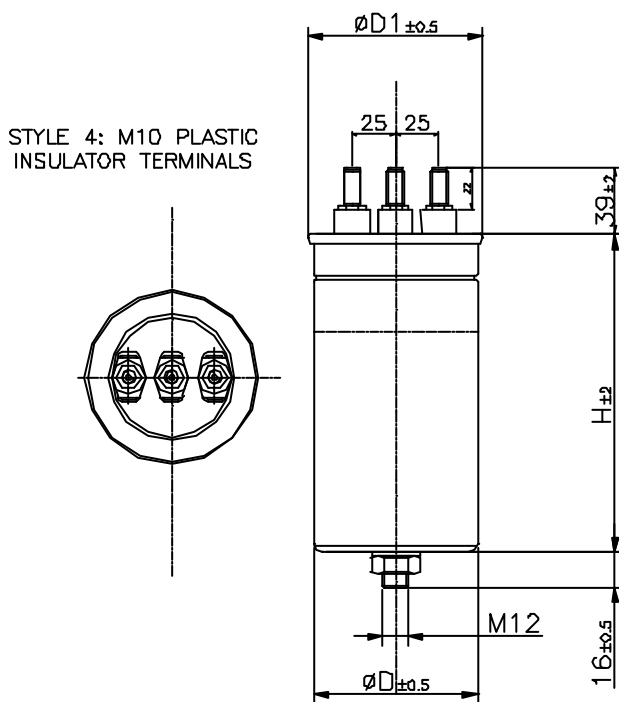
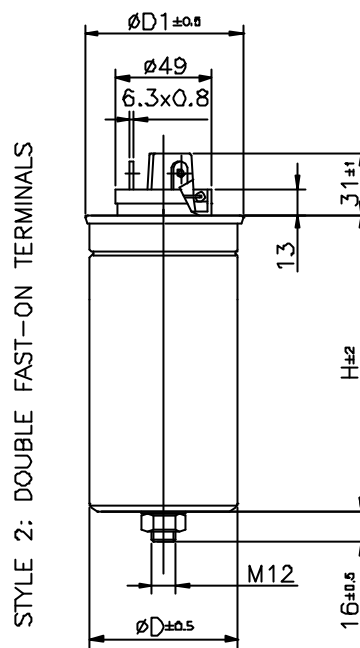
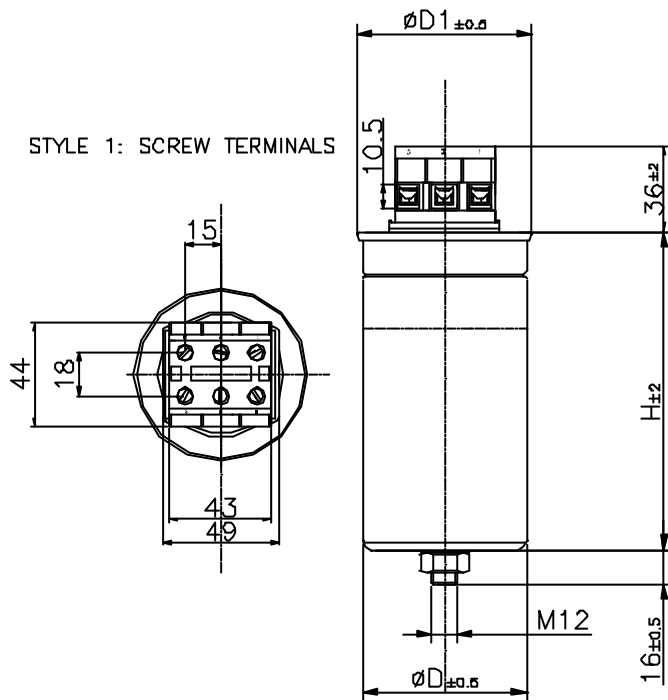
**C9T MKP Series**

ALUMINIUM CASE CAPACITORS for PFC & AC Filter Applications

3-j Execution

Reference standards : IEC 60831-1/2

PROTECTED 10000 AFC -25 ... +55°C



## General Technical data

Service:	Continuous
Operating temperature	-25 ... +55°C
Storage temperature	-40 ... +85°C
Rated frequency	See table
Life Expectancy	≥ 100.000 Hours at Urms
Dielectric Dissipation Factor tgδ <sub>0</sub>	2 x 10 <sup>-4</sup>
Capacitance tolerance	-5 ... +15% (X)
Test voltage terminal to case UTT	2,15 Urms for 10 seconds
Test voltage terminal to case UTC	Urms < 690[V~]: 3KV - 50Hz for 10 seconds Urms ≥ 690[V~]: 6kV - 50Hz for 10 seconds
Rated power Q	Reactive power at rated A.C. voltage U <sub>RMS</sub> - F <sub>N</sub>
Max admissible voltage:	temporarily 1.1 times the nominal voltage 8 hours/24 hours
Max admissible current:	1.3 times the nominal current I <sub>N</sub>
Permissible relative humidity	Annual average ≤ 95% on 30 days / year, continuously 100% on other days occasionally 100%. Dewing not admissible
Degree of protection	IP30
Capacitance deviation	±1.5% max on capacitance value measured at +20 °C
Terminals	(See figure)
Installation	Whatever Position
Safety:	Overpressure safety device
Failure quota	300 / 10 <sup>9</sup> components hour

### Connection: DELTA

Code	C	Q	U <sub>RMS</sub>	dv/dt	F <sub>N</sub>	I <sub>N</sub>	Case			
							D	D1	H	Style
	mF	kvar	V~	V/ms	Hz	A	mm	mm	mm	
<b>C9TS5MD6185AA0X</b>	3*184,8	<b>30,0</b>	<b>415</b>	30	50	41,7	95	99	280	1
<b>C9TS5MD6154AA0X</b>	3*154,0	<b>25,0</b>	<b>415</b>	30	50	34,7	85	89	280	1
<b>C9TS5MD6123AA0X</b>	3*123,2	<b>20,0</b>	<b>415</b>	30	50	27,8	75	79	280	1
<b>C9TS5MD6108AA02</b>	3*108,0	<b>17,5</b>	<b>415</b>	30	50	24,3	75	79	280	1
<b>C9TS5MD5924AA0X</b>	3*92,4	<b>15,0</b>	<b>415</b>	30	50	20,9	75	79	220	1
<b>C9TS5MD5770AA0X</b>	3*77,0	<b>12,5</b>	<b>415</b>	30	50	17,4	75	79	220	1
<b>C9TS5BD5616AA0X</b>	3*61,6	<b>10,0</b>	<b>415</b>	30	50	13,9	65	69	220	2
<b>C9TS5AD5462AA0X</b>	3*46,2	<b>7,5</b>	<b>415</b>	30	50	10,4	60	64	220	3
<b>C9TS5AD5308AA0x</b>	3*30,8	<b>5,0</b>	<b>415</b>	30	50	7,0	60	64	220	3

### Connection: DELTA

Code	C	Q	U <sub>RMS</sub>	dv/dt	F <sub>N</sub>	I <sub>N</sub>	Case			
							D	D1	H	Style
	mF	kvar	V~	V/ms	Hz	A	mm	mm	mm	
<b>C9TS6MD6157AA0X</b>	3*157	<b>30,0</b>	<b>450</b>	30	50	38,5	95	99	280	1
<b>C9TS6MD6131AA0X</b>	3*131	<b>25,0</b>	<b>450</b>	30	50	32,0	85	89	280	1
<b>C9TS6MD6105AA0X</b>	3*105	<b>20,0</b>	<b>450</b>	30	50	25,7	75	79	280	1
<b>C9TS6MD5917AA0X</b>	3*91,7	<b>17,5</b>	<b>450</b>	30	50	22,5	75	79	280	1
<b>C9TS6MD5786AA0X</b>	3*78,6	<b>15,0</b>	<b>450</b>	30	50	19,2	75	79	220	1
<b>C9TS6MD5655AA0X</b>	3*65,5	<b>12,5</b>	<b>450</b>	30	50	16,0	75	79	220	1
<b>C9TS6BD5524AA0X</b>	3*52,4	<b>10,0</b>	<b>450</b>	30	50	12,8	65	69	220	2
<b>C9TS6AD5393AA0X</b>	3*39,3	<b>7,5</b>	<b>450</b>	30	50	9,6	60	64	220	3
<b>C9TS6AD5262AA0X</b>	3*26,2	<b>5,0</b>	<b>450</b>	30	50	6,4	60	64	220	3



Connection: DELTA

Code	C	Q	U <sub>RMS</sub>	dv/dt	F <sub>N</sub>	I <sub>N</sub>	Case			
	mF	kvar	V~	V/ms	Hz	A	D mm	D1 mm	H mm	Style
C9TSAMD6115AA0X	3*115	30,0	525	30	50	33	95	99	280	1
C9TSAMD5962AA0X	3*96,2	25,0	525	30	50	27,5	85	89	280	1
C9TSAMD5770AA0X	3*77,0	20,0	525	30	50	22	75	79	280	1
C9TSAMD5674AA0X	3*67,4	17,5	525	30	50	19,2	75	79	280	1
C9TSAMD5577AA0X	3*57,7	15,0	525	30	50	16,5	75	79	220	1
C9TSAMD5481AA0X	3*48,1	12,5	525	30	50	13,7	75	79	220	1
C9TSABD5385AA0X	3*38,5	10,0	525	30	50	11	65	69	220	2
C9TSAAD5290AA0X	3*29,0	7,5	525	30	50	8,3	60	64	220	3
C9TS6AD5192AA0X	3*19,2	5,0	525	30	50	5,5	60	64	220	3

Connection: DELTA

Code	C	Q	U <sub>RMS</sub>	dv/dt	F <sub>N</sub>	I <sub>N</sub>	Case			
	mF	kvar	V~	V/ms	Hz	A	D mm	D1 mm	H mm	Style
C9TSDMD5668AA0X	3*66,8	30,0	690	30	50	25,1	95	99	280	1
C9TSDMD5557AA0X	3*55,7	25,0	690	30	50	20,9	85	89	280	1
C9TSDMD5446AA0X	3*44,6	20,0	690	30	50	16,7	85	89	280	1
C9TSDMD5390AA0X	3*39,0	17,5	690	30	50	14,6	75	79	280	1
C9TSDMD5334AA0X	3*33,4	15,0	690	30	50	12,6	75	79	280	1
C9TSDBD5279AA0X	3*27,9	12,5	690	30	50	10,5	65	69	280	2

Connection: DELTA

Code	C	Q	U <sub>RMS</sub>	dv/dt	F <sub>N</sub>	I <sub>N</sub>	Case			
	mF	kvar	V~	V/ms	Hz	A	D mm	D1 mm	H mm	Style
C9TS3RD6418AA0X	3*418	25	230	30	60	62,8	95	99	280	4
C9TS3RD6334AA0X	3*334	20	230	30	60	50,2	95	99	280	4
C9TS3MD6231AA0X	3*231	15	230	30	60	37,7	85	89	220	1
C9TS3MD6167AA0X	3*167	10	230	30	60	25,2	75	79	220	1
C9TS3BD5836AA0X	3*83,6	5	230	30	60	12,6	65	69	220	2

Connection: DELTA

Code	C	Q	U <sub>RMS</sub>	dv/dt	F <sub>N</sub>	I <sub>N</sub>	Case			
	mF	kvar	V~	V/ms	Hz	A	D mm	D1 mm	H mm	Style
C9TS4MD6138AA0X	3*138	25	400	30	60	36,1	85	89	280	1
C9TS4MD6110AA0X	3*110	20	400	30	60	28,9	75	79	280	1
C9TS4MD5830AA0X	3*83,0	15	400	30	60	21,7	75	79	220	1
C9TS4BD5553AA0X	3*55,3	10	400	30	60	14,4	65	69	220	2
C9TS4AD5276AA0X	3*27,6	5	400	30	60	7,2	60	60	220	3

**NEW CODES STRUCTURE**

1<sup>st</sup> - 3<sup>rd</sup> dgt Series (C9T) - - - 4<sup>th</sup> dgt Type (S=Slim - C=Concentric) - - - 5<sup>th</sup> dgt Voltage  
6<sup>th</sup> dgt Terminal type - - - 7<sup>th</sup> dgt Internal Connection (D=Delta - Y=Star)  
8<sup>th</sup> - 11<sup>th</sup> dgt Single Element Capacitance