

E33 P2/Type B (FPU) 30 000h/450V 3 000h/500V

Oil-filled AC Capacitors with break action mechanism (P2 / Type B) for Motors, Lighting, and General Use

push-wire terminal with integrated discharge resistor/tab connectors/solder lug,
base mounting stud, nut/washer

approval marks



rated voltage
capacitance tolerance
temperature range (T_{max} on capacitor surface)
test class

IEC / DIN EN 60252

450V- 50/60Hz	450V- 50/60Hz	500V- 50/60Hz
class A 30.000h	class B 10.000h	class C 3.000h
HPFMS ($\leq 80\mu F$)	HSFNT ($> 80\mu F$)	HPFPU ($\leq 80\mu F$)
450/500 V- 50/60Hz		
$\pm 5\%$		
-25°C ... +85°C ($\leq 80\mu F$)	(+70°C > 80 μF)	
25/85/21 (IEC 68)	25/70/21 (IEC 68)	

conforms with

rated voltage
temperature range (T_{max} on capacitor surface)

DIN EN 61048 A2, DIN EN 61049 (lighting applications, type B)

450V- 50/60Hz
-25°C ... +85°C ($\leq 80\mu F$)
-25°C ... +70°C ($> 80\mu F$)

available on request recognized to



UL810 / UL840

(UL recognized component, file no. E211978)
(motor run and lighting applications
and universal use)

rated voltage
temperature range (T_{max} on capacitor surface)

450V- 50/60Hz
-25°C ... +85°C ($\leq 80\mu F$)
-25°C ... +70°C ($> 80\mu F$)
10 000 A

max. permitted fault current (AFC)

filling material
limit values of relative humidity
(class F acc. to DIN 40 040)

based on vegetable oil, non-PCB, viscous
75% annual means
95% maximum value on 30 days
85% on all other days
not permitted

condensation

test voltages

between terminals

terminals to case

permitted torque of mounting stud M 8 x 10 ($\leq \varnothing 45$)

M12 x 16 ($\geq \varnothing 50$)

2.15 U_N ac

3 kV ac

5 Nm

7 Nm

optional

mounting position

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E33 Type B/P2 (FPU) 30 000h/450V 3 000h/500V

Kapazität capacitance µF	Abmessungen dimensions D x L (mm)	Bestellnummer Order code	Bestellnummer Order code	Bestellnummer Order code
7.0	30 x 68	E33.C68-500715 / 220001	E33.C68-500705 / 220001	E33.C68-500705 / 223001
7.0	35 x 58	E33.D58-500715 / 220001	E33.D58-500705 / 220001	E33.D58-500705 / 223001
7.5	35 x 58	E33.D58-597515 / 220001	E33.D58-597505 / 220001	E33.D58-597505 / 223001
8.0	30 x 78	E33.C78-500815 / 220001	E33.C78-500805 / 220001	E33.C78-500805 / 223001
8.0	35 x 68	E33.D68-500815 / 220001	E33.D68-500805 / 220001	E33.D68-500805 / 223001
10.0	35 x 68	E33.D68-501015 / 220001	E33.D68-501005 / 220001	E33.D68-501005 / 223001
12.0	35 x 78	E33.D78-501215 / 220001	E33.D78-501205 / 220001	E33.D78-501205 / 223001
12.5	35 x 78	E33.D78-581215 / 220001	E33.D78-581205 / 220001	E33.D78-581205 / 223001
14.0	35 x 93	E33.D93-501415 / 220001	E33.D93-501405 / 220001	E33.D93-501405 / 223001
14.0	40 x 78	E33.E78-501415 / 220001	E33.E78-501405 / 220001	E33.E78-501405 / 223001
15.0	35 x 93	E33.D93-501515 / 220001	E33.D93-501505 / 220001	E33.D93-501505 / 223001
15.0	40 x 78	E33.E78-501515 / 220001	E33.E78-501505 / 220001	E33.E78-501505 / 223001
16.0	35 x 93	E33.D93-501615 / 220001	E33.D93-501605 / 220001	E33.D93-501605 / 223001
16.0	40 x 78	E33.E78-501615 / 220001	E33.E78-501605 / 220001	E33.E78-501605 / 223001
18.0	40 x 78	E33.E78-501815 / 220001	E33.E78-501805 / 220001	
20.0	40 x 93	E33.E93-502015 / 220001	E33.E93-502005 / 220001	
22.5	40 x 93	E33.E93-582215 / 220001	E33.E93-582205 / 220001	
22.5	45 x 78	E33.F78-582215 / 220001	E33.F78-582205 / 220001	
25.0	40 x 119	E33.E19-502515 / 220001	E33.E19-502505 / 220001	
25.0	45 x 93	E33.F93-502515 / 220001	E33.F93-502505 / 220001	
30.0	40 x 119	E33.E19-503015 / 220001	E33.E19-503005 / 220001	
30.0	45 x 93	E33.F93-503015 / 220001	E33.F93-503005 / 220001	
32.0	50 x 98	E33.G98-503225 / 220001*		
35.0	45 x 119	E33.F19-503515 / 220001	E33.F19-503505 / 220001	
35.0	50 x 98	E33.G98-503525 / 220001*		
40.0	45 x 119	E33.F19-504015 / 220001	E33.F19-504005 / 220001	
40.0	55 x 98	E33.H98-504025 / 220001*		
50.0	45 x 143	E33.F43-505015 / 220001	E33.F43-505005 / 220001	
50.0	50 x 124	E33.G24-505025 / 220001*		
55.0	50 x 148	E33.G48-505525 / 220001*		
55.0	55 x 124	E33.H24-505525 / 220001*		
60.0	50 x 148	E33.G48-506025 / 220001*		
60.0	60 x 124	E33.K24-506025 / 220001*		
65.0	60 x 148	E33.K48-606525 / 220001*		
70.0	60 x 148	E33.K48-607025 / 220001*		
80.0	65 x 148	E33.L48-608025 / 220001*		
85.0	60 x 148	E33.K48-508525 / 220001*		
90.0	65 x 148	E33.L48-609025 / 220001*		
95.0	65 x 148	E33.L48-609525 / 220001*		
100.0	65 x 148	E33.L48-510025 / 220001*		

Bestellbeispiel für UL-Approbation / order sample for UL approval:

8.0µF 30 x 78mm VDE/GOST E33.C78-500805 / 220001
 8.0µF 30 x 78mm VDE/GOST/UL E33.C78-50080F / 220009



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