

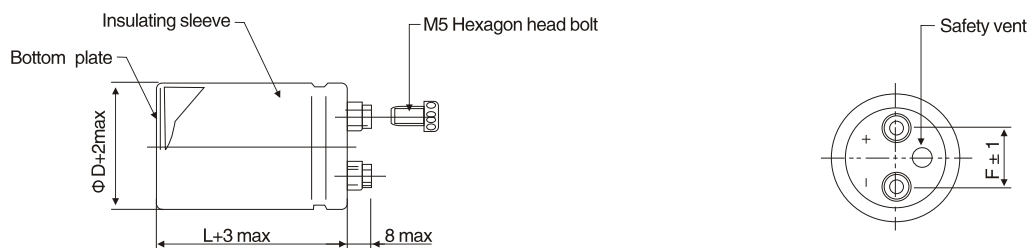
CDIN Screw Terminal Type, Long Life Series

- High voltage, super high capacitance, long life, suited for use in changeable current circuits in changeable frequencies inverter electronic and air-condition etc
- Load life of 10000 hours at 85°C
- Specifications



Item	Characteristics										
Operating Temperature Range	-40°C ~ +85°C										
Rated Voltage Range	160~450V.DC										
Nominal Capacitance Range	820 μ F~100000 μ F										
Capacitance Tolerance	M (± 20%) (20°C, 120Hz)										
Leakage Current	$I \leq 0.01CV$ (μ A) or 5mA, whichever is smaller. C:Nominal capacitance (μ F) V:Rated voltage(V) (20°C, after 5 minutes)										
Dissipation Factor (Max)	<table border="1"> <thead> <tr> <th>Φ D \ WV</th> <th>160~250</th> <th>350~450</th> </tr> </thead> <tbody> <tr> <td>50</td> <td>0.15</td> <td rowspan="3">0.20</td> </tr> <tr> <td>63.5</td> <td>0.20</td> </tr> <tr> <td>75~100</td> <td>0.25</td> </tr> </tbody> </table> <p>(20°C, 120Hz)</p>	Φ D \ WV	160~250	350~450	50	0.15	0.20	63.5	0.20	75~100	0.25
Φ D \ WV	160~250	350~450									
50	0.15	0.20									
63.5	0.20										
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Load Life	<p>After 10000 hours (450WV:5000 hours) application of rated voltage with rated ripple current at 85°C, the capacitors shall meet the following requirement:</p> <table border="1"> <tbody> <tr> <td>Capacitance change</td> <td>Within ± 20% of the initial value .</td> </tr> <tr> <td>Dissipation factor</td> <td>Not more than 200% of the initial specified value.</td> </tr> <tr> <td>Leakage current</td> <td>Not more than the initial specified value.</td> </tr> </tbody> </table>	Capacitance change	Within ± 20% of the initial value .	Dissipation factor	Not more than 200% of the initial specified value.	Leakage current	Not more than the initial specified value.				
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Dissipation factor	Not more than 200% of the initial specified value.										
Leakage current	Not more than the initial specified value.										
Shelf Life	After storage for 1000 hours at +85°C, the capacitors shall meet the requirement of load life above .										

DRAWING



Φ D	50										63.5						75			
	L	60	70	75	80	90	100	110	120	130	140	100	110	120	130	140	150	85	90	100
F	22										28						32			
Φ D	75					80			90						100					
	L	120	130	140	150	170	120	140	150	140	155	170	190	195	200	220	190	200	220	240
F	32					35			32						41.5					

mm

CDIN Series

■ DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

μF \ WV	160		200		250		350		400		450	
820											50×75	4.60
1000							50×60	3.50	50×75	5.0	50×80	5.20
1200							50×70	4.10	50×90	5.30	50×100	6.30
1500							50×80	4.90	50×120	5.60	50×120	7.20
1800							50×90	5.70	63.5×120	6.20	50×130	8.70
2200					50×80	4.0	50×110	6.70	75×85	6.90	63.5×120	9.0
2700					50×90	4.70	50×130	8.0	75×90	7.90	63.5×130	11.30
3300			50×80	4.80	50×100	5.40	63.5×100	9.20	75×100	9.50	63.5×140	12.40
3900			50×90	5.50	50×120	6.40	63.5×120	11.0	75×110	10.30	63.5×150	14.5
4700	50×80	5.0	50×100	6.30	63.5×100	7.30	63.5×130	12.0	75×120	12.0	75×130	15.60
5600	50×90	5.80	50×120	6.90	63.5×110	8.30	63.5×150	14.0	75×150	14.60	75×150	18.30
6800	50×100	6.40	50×140	7.30	63.5×120	8.90	75×130	16.30	80×150	16.50	80×150	20.70
8200	50×120	7.70	63.5×100	8.10	75×100	9.80	75×140	17.90	80×150	18.10	90×155	23.50
10000	63.5×100	9.10	63.5×120	9.80	75×120	11.80	75×170	21.80	90×155	25.0	90×195	28.30
12000	63.5×120	11.0	75×100	10.60	80×120	14.0	80×150	23.2	90×190	30.10	100×200	32.8
15000	75×100	12.0	75×120	13.0	90×140	16.40	90×190	29.0	100×190	35.5		
18000	75×120	14.40	80×120	14.70	90×155	17.0	100×200	34.3				
22000	75×140	16.90	90×140	15.90	90×170	17.90	100×220	38.0				
27000	80×140	18.80	90×155	18.60	90×200	18.80						
33000	90×140	19.20	90×170	19.50	90×220	19.70						
39000	90×155	19.80	90×200	20.40	100×220	20.10						
47000	90×170	20.60	90×220	20.90	100×240	20.80						
56000	90×200	21.40	100×220	21.80								
68000	90×220	22.30	100×240	22.10	← Rated ripple current(A rms)(85°C,120Hz) — Case size $\Phi D \times L$ (mm)							
82000	100×200	23.10										
100000	100×240	23.90										