

# Starting Capacitor NJS Series



## Construction

- Dielectric: polypropylene film
- Plastic & Round can
- Dry type

## Features

- Self-heating properties
- Low dissipation factor
- P0 safety class to IEC 60252-1
- High insulation resistance

## Typical applications

- For general sine wave applications, mainly as motor starting capacitor.

## Mounting parts (optional)

- Threaded stud at bottom of can (M8, max.torque=5 Nm)
- Fast fixation for mounting into a hole of  $\Phi 8$  mm

## Technical data and specifications

Reference standards	IEC 60252-1
Safety class according IEC 60252-1	P0
Life expectancy to IEC 60252-1	3,000(C) ~ 10,000h(B)
Rated capacitance CR	1 $\mu$ F ~ 120 $\mu$ F (MFD)
Tolerance	$\pm 5\%$
Rated voltage VR	110VAC ~ 630VAC
Rated frequency FR	50/60Hz
Maximum permissible voltage Vmax	1.1 x VR (VR=Rated voltage)
Maximum permissible current Imax	1.3 x IR (IR=Rated current)
AC test voltage terminal to terminal VTT	2 x VR, 2s (routine test) 2 x VR, 60s (type test)
Dissipation factor tan $\delta$	$\leq 0.002$ (50Hz)
Climate types	25/085/21 to IEC 60068-1

## Dimensions (mm)

(uF/ MFD)	250-300Vac				450-500Vac			
	Without M8 Stud		M8 Stud		Without M8 Stud		M8 Stud	
	$\Phi$	H	$\Phi$	H	$\Phi$	H	$\Phi$	H
1	30	50	30	57	30	50	30	57
1.5	30	50	30	57	30	50	30	57
2	30	50	30	57	30	50	30	57
2.5	30	50	30	57	30	50	30	57
3	30	50	30	57	30	50	30	57
3.5	30	50	30	57	30	50	30	57
5	30	50	30	57	30	60	35	65
6	30	50	30	57	30	60	35	65
8	30	50	30	57	35	60	35	65
10	30	60	35	65	35	60	40	70
12	30	60	35	65	35	70	40	70
12.5	30	60	35	65	35	70	40	70
14	35	60	35	65	40	70	40	70
15	35	60	35	65	40	70	40	95
16	35	60	35	65	40	70	40	95
18	35	60	35	65	40	70	40	95
20	35	70	40	70	40	93	40	95
22	35	70	40	70	40	93	40	95
24	35	70	40	70	40	93	40	95
25	35	70	40	70	40	93	40	95
28	40	70	40	70	45	93	50	106
30	40	70	40	95	45	93	50	106
31.5	40	70	40	95	45	93	50	106
35	40	93	40	95	45	93	50	106
40	40	93	40	95	50	92	50	106
45	45	93	40	95	50	92	50	106
50	45	93	50	106	50	100	50	116
55	45	93	50	106	50	100	50	116
60	45	93	50	106	50	120	50	116
65	50	92	50	106	50	120	50	116
70	50	92	50	106	55	120	50	116
75	50	92	50	106	55	120		
80	50	92	50	106	55	120		
85	50	100	50	106	60	120		
90	50	100	50	106	60	120		
95	50	120	50	116	60	120		
100	50	120	50	116	60	120		
110	50	120	50	116				
120	50	120						