



خازن مصارف سبک (ND-VAR)

ویژگی ها

- انتقال حرارت بهتر
- طراحی سیلندری شکل
- طراحی استاندارد آلومینیومی بدنه
- ساخته شده از فیلم متالایز پلی پروپیلن
- مقاوم در برابر انفجار (قطع کننده در فشار بالا)
- دارای مواد زیست پذیر که باعث خنک شوندگی بهتر می شوند

کاربردها

- اصلاح ضریب قدرت بصورت ثابت
- اصلاح ضریب قدرت بصورت اتوماتیک
- در بارهای سبک، غیر هارمونیک

Technical Data	ND-VAR Normal Durty	ND-VAR Normal Duty+
Standards	IS 13340-1/2, IEC 60831-1/2	IS 13340-1/2, IEC 60831-1/2
Rated Voltage (UN)	440 VOLT	441 VOLT
Reated Frequency	50 Hz	51 Hz
Over Voltage	"UN + 10% 12 hours in every 24 h UN + 15% 30 minuts in every 24 h UN + 20% 5 minuts in every 24 h UN + 30% 1 minut in every 24 h"	"UN + 10% 12 hours in every 24 h UN + 15% 30 minuts in every 24 h UN + 20% 5 minuts in every 24 h UN + 30% 1 minut in every 24 h"
Over Current	1.3* IN	1.5* IN
Capacitance Tolerance	-5 to + 10% As per standards	-5 to + 10% As per standards
Test Voltage - Terminal	2.15 * UN, AC 2S	2.15 * UN, AC 2S
Test Voltage - Terminal & Case	3.6 kV, AC 2S	3.6 kV, AC 2S
Inrush Current	up to 200 IN	up to 250 IN
Losses	<0.20 W/kVAR (Dielectric), <0.5 W/kVar (Total)	<0.20 W/kVAR (Dielectric), <0.5 W/kVar (Total)
Casing	Cylindrical Aluminum Can	Cylindrical Aluminum Can
Enclosure	IP00	IP01
Mean Life Expectancy	1,00,000 h	1,50,000 h
Temperature Class	-10/55°C	-25/55°C
Cooling	"Natural air cooled Casing Temp. max 60°C permitted on top of the can"	"Natural air cooled Casing Temp. max 60°C permitted on top of the can"
Dielectric System	"Metallized poltpropylene film, Self-Healing property"	"Metallized poltpropylene film, Self-Healing property"
Impregnation	NPCB, Biogradable natural semi soft resin	NPCB, Biogradable natural semi soft resin
Safety Features	Overpressure sensitive 3 Phase disconnecter	Overpressure sensitive 3 Phase disconnecter
Altitude	Max. 2000 Meter above sea level	Max. 2000 Meter above sea level
Relative Humidity	Max. 95%	Max. 95%
Mounting Position	Vertical	Vertical
Mounting Earthing	M8*10mm, M12*16mm threaded stud, on bottom of case with Nut & Washer	M8*10mm, M12*16mm threaded stud, on bottom of case with Nut & Washer
Discharge Resistors	Extreme 3 minutes, 75V	Extreme 3 minutes, 75V
Terminals	"- ND-VAR AW cap - Clip in terminals - KND-VAR - With MS screw on single three-way terminals"	"- ND-VAR AW cap - Clip in terminals - KND-VAR - With MS screw on single three-way terminals"



Normal Duty Capacitor

خازن مصارف سبک (ND-VAR)



ND-VAR Cylindrical - Normal Duty MPP Capacitors

Normal Duty - 440 Volts - 50 Hz - 3ph - Delta Connention

Product Code	Output kVAr	Capacitance (in μf)	Current (in Amp)	Dimensions D*H (in mm)	Drawing No.
MC-N050-R0440-S1R3	5/0	3*27.42	6/56	65*150	C-2
MC-N075-R0440-S1R3	7/5	3*41.12	9/84	65*195	C-2
MC-N100-R0440-S1R3	10/0	3*54.83	13/12	75*196	C-3
MC-N125-R0440-S1R3	12/5	3*68.54	16/40	90*203	C-3
MC-N150-R0440-S1R3	15/0	3*82.225	19/68	90*203	C-3
MC-N200-R0440-S1R3	20/0	3*109.67	26/24	90*243	C-3
MC-N250-R0440-S1R3	25/0	3*137.08	32/80	90*243	C-3
MC-N300-R0440-S1R3	30/0	3*164.50	39.37	116*283	C-5
MC-N400-R0440-S1R3	40/0	3*219.33	52.49	136*346	C-6
MC-N500-R0440-S1R3	50/0	3*277.17	65.61	136*346	C-6
MC-N600-R0440-S1R3	60/0	3*331.14	72.17	136*346	C-6

ND-VAR Cylindrical - Normal Duty+ - Premium MPP Capacitors

Agrowire Series - Normal Duty+ - 440 Volts - 50 Hz - 3ph - Delta Connention

AW-P010-R0440-S1R3	1/0	3*5.48	1/31	50*125	C-1
AW-P020-R0440-S1R3	2/0	3*10.97	2/62	50*125	C-1
AW-P030-R0440-S1R3	3/0	3*16.45	3/93	50*130	C-2
AW-P040-R0440-S1R3	4/0	3*21.93	5/24	50*130	C-2

Normal Duty+ - Premium 440 Volts - 50 Hz - 3ph - Delta Connention

MC-P050-R0440-S1R3	5/0	3*27.42	6/56	75*196	C-3
MC-P075-R0440-S1R3	7/5	3*41.12	0/84	75*196	C-3
MC-P100-R0440-S1R3	10/0	3*54.83	13/12	90*203	C-3
MC-P125-R0440-S1R3	12/5	3*68.54	16/40	90*203	C-3
MC-P150-R0440-S1R3	15/0	3*82.225	19/68	90/243	C-3
MC-P200-R0440-S1R3	20/0	3*109.67	26/24	116*243	C-4
MC-P250-R0440-S1R3	25/0	3*137.08	32/80	116*243	C-4
MC-P300-R0440-S1R3	30/0	3*164.50	39.37	116*283	C-5
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