

UHD - Ultra Heavy Duty

Three phase power capacitors, selfhealing, semi dry resin



General technical parameters

Standards	IEC EN 60831-1/2, VDE 0560-46/47, GOST 1282-88
Rated Voltage	440 V, 525 V / 50 Hz
Rated Power	1 - 50 kvar
Capacitance Tolerance	-5 / +10 %
Max. Permissible Current	1,5 x I _N Continuous, 2,5 x I _N Short period *
Max. Inrush Current	400 x I _N
Capacitor Losses	cca 0,4 W / kvar
Discharge Resistors	built-in 75 V / 3 min
Statistical Life Expectancy	> 180 000 hours according to operating conditions
Protection Degree	IP 20 (IP 54 selected types on request)
Max. Relative Humidity	95 %
Cooling	Natural Air or Forced
Max. Altitude	4 000 m
Mounting Position	Any position
Case	Aluminium can
Dielectric System	Dry metallized polypropylene
Impregnant / Filling	Semi-dry resin
Safety Device	3 fuses overpressure disconnecter
Terminals	One side - 3 clamps

Note: * Maximum current for 48 hours continuous operation with relation to highest mean ambient temperature of 45°C over period of 24 h.

Overpressure disconnecter function



Standard types

(other voltages, power and 60 Hz on request)

440 V / 50 Hz

Q _c (kvar)	Type	C _N (Δ) (μF)	I _N (A)	Ø D x H (mm)	m (kg)	Terminal
6,25	CSADG-0,44/6,25-UHD	3 x 34,3	8,2	85 x 175	1,1	A
7,5	CSADG-0,44/7,5-UHD	3 x 41,1	9,8	85 x 175	1,1	A
10	CSADG-0,44/10-UHD	3 x 54,8	13,1	85 x 245	1,6	A
12,5	CSADG-0,44/12,5-UHD	3 x 68,5	16,4	85 x 245	1,6	A
15	CSADG-0,44/15-UHD	3 x 82,2	19,7	85 x 245	1,6	A
20	CSADG-0,44/20-UHD	3 x 110	26,2	100 x 245	2,5	A
25	CSADG-0,44/25-UHD	3 x 137	32,8	116 x 245	3,2	B
28,1	CSADG-0,44/28,1-UHD	3 x 154	36,8	116 x 245	3,2	B
30	CSADG-0,44/30-UHD	3 x 165	39,3	116 x 245	3,2	B
40	CSADG-0,44/40-UHD	3 x 219	52,4	136 x 261	4,0	B
50	CSADG-0,44/50-UHD	3 x 274	65,5	136 x 355	5,2	C

Features

$$I_{max} = 2,5 \times I_N$$

Lifetime Expectancy: > 180 000 h

Temperature Class: -40/D (60 °C)

Semi Dry type: semi-dry resin

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