



SPECIFICATION OF LOW VOLTAGE CAPACITOR

L2-SERIES Designed for power-factor correction of a.c. power systems

1	Type designation	FL2D 48/525-50 IP00
2	Rated power	48 kvar
3	Rated voltage	525 V
4	Rated current	53 A
5	Rated frequency	50 Hz
6	Rated capacitance (terminal to terminal)	277 μ F
	- tolerance	-5 / +10 %
7	Temperature category	-40 /C (+50) °C
8	Internal connection of unit	3-phase, delta
9	Dielectric	metallized polypropylene-film, self healing & dry type design
10	Protection	internally protected capacitor elements
11	Test voltage between terminals	1129 V a.c.
12	Insulation level between terminals and container :	
	- power frequency	4,1 kV
	- impulse	12 kV
13	Resistance of internal discharge resistors	2 x 3 x 470 k Ω D-conn.
14	Discharge time to 75 V	< 180 s
15	Option: Discharge time 1min 50V, then add external discharge resistors type "set 1/50"	- k Ω D-conn.
16	Losses at +20°C ambient temperature (with internal discharge resistors)	< 0,5 W/kvar
17	Main dimensions of the container	127 x 300 x 241 mm
18	Connecting terminals	bolt M8
19	Mounting/protection class	indoor/IP00
20	Container	cold rolled steel CR 2-11, thickness 0,75 mm
21	Painting	epoxy based powder, thickness 40-70 μ m colour: gray RAL 7035
22	Weight of the unit	8,7 kg
23	Standards	IEC 60831-1-2
24	Drawing no	3C00260
25	Catalogue no	JCP01092-00

Notes: Capacitors are suitable for overloads

- continuous overvoltage $1,1 \times U_n$

- continuous overcurrent $1,3 \times I_n$

If 1min 50V discharge time is required, an optional external discharge resistor type "set 1/50" must be added to the terminals, look at the line 15.