



SPECIFICATION OF LOW VOLTAGE CAPACITOR

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

1	Type designation .....	FL2D 50/400-50 IP00
2	Rated power .....	50 kvar
3	Rated voltage .....	400 V
4	Rated current .....	72 A
5	Rated frequency .....	50 Hz
6	Rated capacitance (terminal to terminal) .....	497 $\mu$ F
	- tolerance .....	-5 / +10 %
7	Temperature category .....	-40 /C (+50) $^{\circ}$ 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 .....	860 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 $\Omega$ 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 $\Omega$ D-conn.
16	Losses at +20 $^{\circ}$ 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 $\mu$ 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 .....	JCP00551-00

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.