



SPECIFICATION OF LOW VOLTAGE CAPACITOR

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

1	Type designation .....	AL2D 85/400-50 IP00	
2	Rated power .....	85	kvar
3	Rated voltage .....	400	V
4	Rated current .....	123	A
5	Rated frequency .....	50	Hz
6	Rated capacitance (terminal to terminal) .....	846	µF
	- tolerance .....	-5 / +10	%
7	Temperature category .....	-40 /C (+50)	°C
8	Internal connection of unit .....	3-phase, delta	3
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 .....	3.x.240 + 3 x 330	kΩ 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" .....	-	kΩ 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 436	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 µm colour: gray RAL 7035	
22	Weight of the unit .....	14,3	kg
23	Standards .....	IEC 60831-1-2	
24	Drawing no .....	3C00260	
25	Catalogue no .....	JCP01077-00	

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.