



SPECIFICATION OF LOW VOLTAGE CAPACITOR

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

1	Type designation	RL2D 144/525-50 IP00	
2	Rated power	144	kvar
3	Rated voltage	525	V
4	Rated current	158	A
5	Rated frequency	50	Hz
6	Rated capacitance (terminal to terminal)	832	µF
	- tolerance	-5 / +5	%
7	Temperature category	-40 /C (+50)	°C
8	Internal connection of unit	3-phase, delta	2
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 280 + 280	kΩ D+I -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 631	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	21,2	kg
23	Standards	IEC 60831-1-2	
24	Drawing no	3C00260	
25	Catalogue no	JCP01101-00	

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.