



SPECIFICATION OF LOW VOLTAGE CAPACITOR

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

|    |  |   |              |
|----|--|---|--------------|
| 1  | Type designation .....   | FL2D 40/525-50 IP00   |              |
| 2  | Rated power .....  | 40  | kvar         |
| 3  | Rated voltage .....  | 525   | V            |
| 4  | Rated current .....  | 44  | A            |
| 5  | Rated frequency .....  | 50  | Hz           |
| 6  | Rated capacitance (terminal to terminal) .....   | 231   | 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 .....   | 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 .....   | 3.x.470 + 2 x 470   | kΩ D+V-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 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 µm<br>colour: gray RAL 7035 |              |
| 22 | Weight of the unit .....   | 7,5   | kg           |
| 23 | Standards .....  | IEC 60831-1-2   |              |
| 24 | Drawing no .....   | 3C00260   |              |
| 25 | Catalogue no .....   | JCP00589-00   |              |

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.