

ECOFILL SB

Plastic case
lighting capacitors

IL

Metal case
lighting capacitors

CERT. N.9170 ICAR
UNI EN 29001 (ISO 9001)

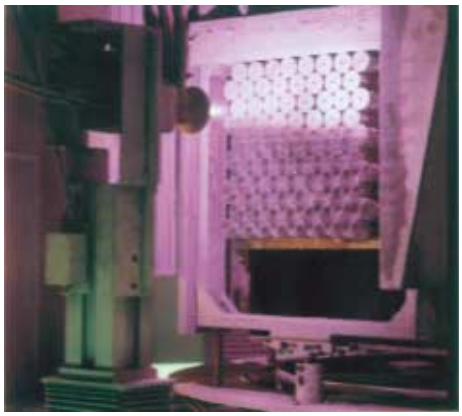
CERT. N.FM 20375
BS EN ISO 9001:1994

ICAR
technology looking ahead

ICAR: technology looking ahead







THE CAPACITOR

The heart of lighting capacitors is a very thin metallized polypropylene film that forms both its dielectric and its electrodes

VERTICAL INTEGRATION

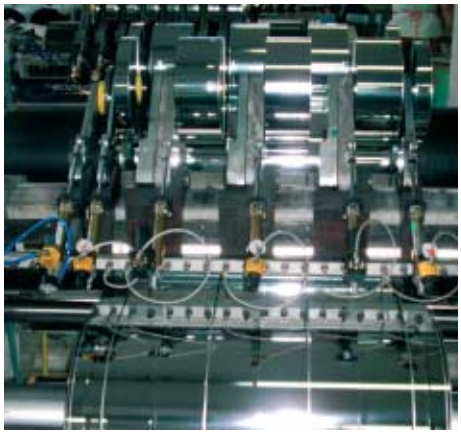
As a forerunner in 1965 ICAR has introduced metallized polypropylene film technology. Metallizing, slitting, winding, spraying, finishing and testing are performed on-site using custom designed highly automated equipment.

PROCESS CONTROL

ICAR controls the whole manufacturing process. Comprehensive quality tests through all stages of production ensure the high reliability of all the components of the capacitors, as witness by company and product approvals.

THE SUCCESS

Hundred of millions of our capacitors sold in over 60 countries world-wide speak for ICAR success.



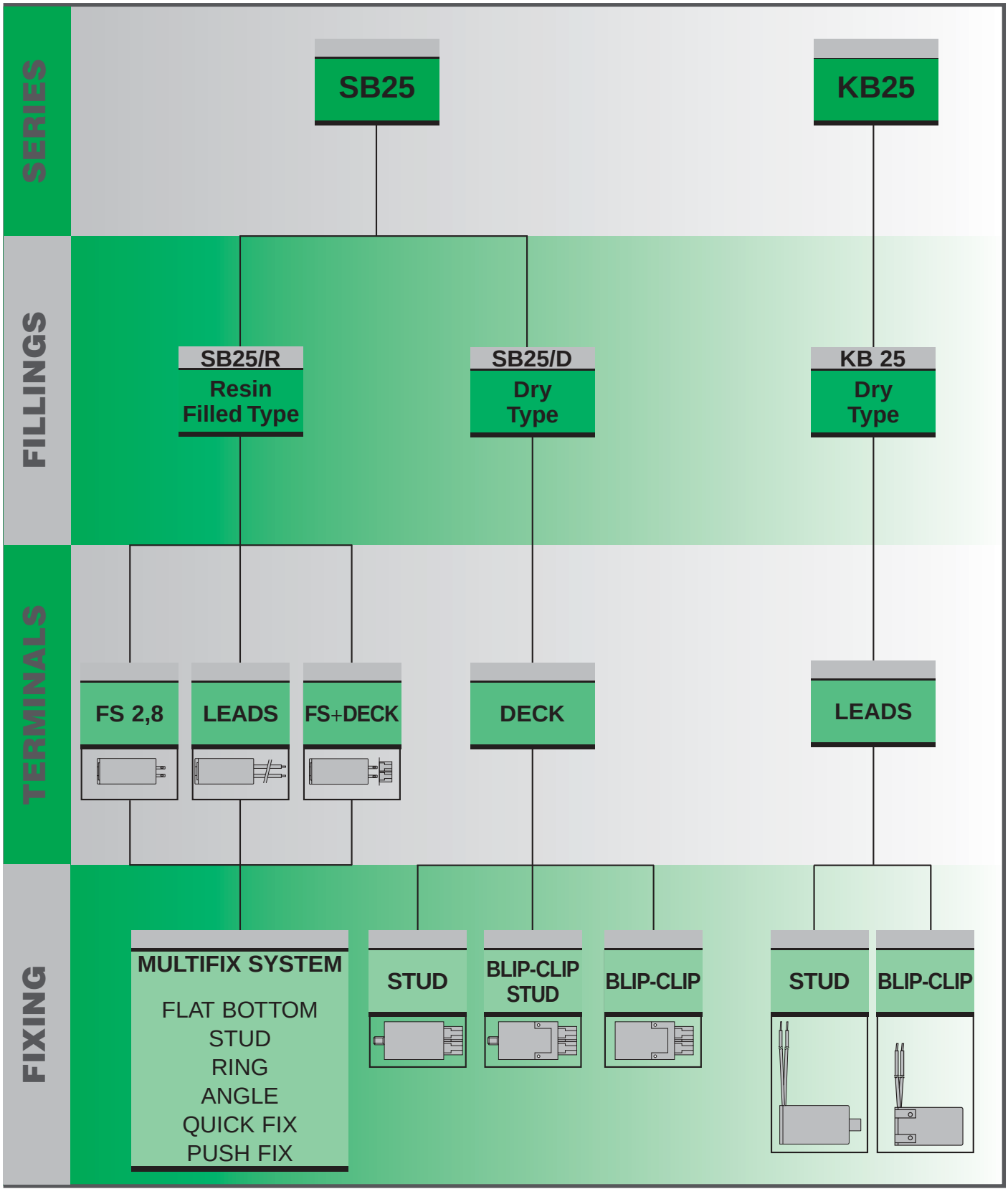
INNOVATION

ICAR has been an innovator since 1946, and its continuous development in high-tech capacitors will lead to further innovations in the future.

SB SERIES

PLASTIC CASE LIGHTING CAPACITORS

PARALLEL COMPENSATION



SB25 SERIES SB25/R

PLASTIC CASE LIGHTING CAPACITORS

1 - RESIN FILLED



TECHNICAL FEATURES

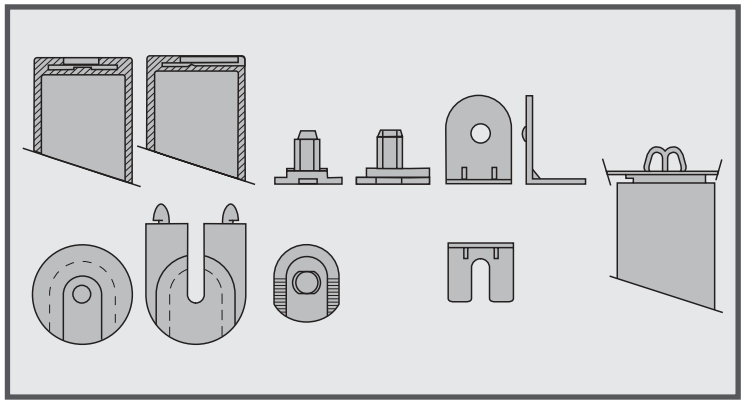
Case	self-extinguish plastic
Dielectric	metallized polypropylene
Safety	Type A
Capacitance tolerance	± 5% ± 10%
Rated Voltage	280÷250 V
Frequency	50÷60 Hz

Temperature range	-40°C/+85°C
Voltage test between terminals	$2U_n$ x 2sec
Voltage test between terminals & case	2,5KV x 2sec
Tan δ @ 50 Hz (only with FS 2.8)	$< 5x10^{-4}$
dv/dt typical	10 V/µs

MULTIFIX



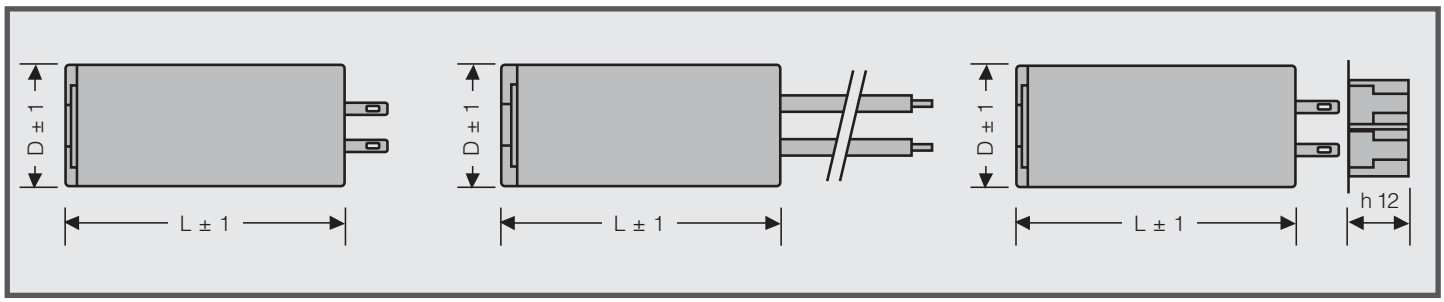
MULTIFIX is the easy fixing device.
Use it as it is or choose your accessory.
Any fixing can be fitted in.



SB25 SERIES SB25/R

PLASTIC CASE LIGHTING CAPACITORS

1 - RESIN FILLED



03
EN 61048 / EN 61049

03
EN 61048 / EN 61049

03
EN 61048 / EN 61049

SB 25/R - FS2,8

CAP. [uF]	DIMENSIONS D mm	L mm	Q.TY (BOX)
2,00	30	51	168
2,50	30	51	168
3,00	30	51	168
3,15	30	51	168
3,50	30	51	168
4,00	30	51	168
4,50	30	51	168
5,00	30	51	168
6,00	30	51	168
6,30	30	51	168
7,00	30	51	168
7,50	30	51	168
8,00	30	71	168
9,00	30	71	168
10,00	30	71	168
11,00	30	71	168
12,00	35	71	120
12,50	35	71	120
13,00	35	71	120
13,50	35	71	120
14,00	35	71	120
15,00	35	71	120
16,00	35	71	120
18,00	40	71	90
20,00	40	71	90
22,00	40	71	90
25,00	45	71	72
30,00	45	71	72
32,00	45	91	72
35,00	45	91	72
40,00	45	91	72
45,00	45	116	72
50,00	45	116	72
55,00	45	116	72
60,00	45	116	72
65,00	50	116	56

SB 25/R - LEADS

CAP. [uF]	DIMENSIONS D mm	L mm	Q.TY (BOX)
2,00	25	51	238
2,50	25	51	238
3,00	25	51	238
3,15	25	51	238
3,50	25	51	238
4,00	25	51	238
4,50	30	51	168
5,00	30	51	168
6,00	30	51	168
6,30	30	51	168
7,00	30	51	168
7,50	30	51	168
8,00	30	71	168
9,00	30	71	168
10,00	30	71	168
11,00	30	71	168
12,00	35	71	120
12,50	35	71	120
13,00	35	71	120
13,50	35	71	120
14,00	35	71	120
15,00	35	71	120
16,00	35	71	120
18,00	40	71	90
20,00	40	71	90
22,00	40	71	90
25,00	45	71	72
30,00	45	71	72
32,00	45	91	72
35,00	45	91	72
40,00	45	91	72
45,00	45	116	72
50,00	45	116	72
55,00	45	116	72
60,00	45	116	72
65,00	50	116	56

SB 25/R - FS DECK

CAP. [uF]	DIMENSIONS D mm	L mm	Q.TY (BOX)
2,00	30	51	168
2,50	30	51	168
3,00	30	51	168
3,15	30	51	168
3,50	30	51	168
4,00	30	51	168
4,50	30	51	168
5,00	30	51	168
6,00	30	51	168
6,30	30	51	168
7,00	30	51	168
7,50	30	51	168
8,00	30	71	168
9,00	30	71	168
10,00	30	71	168
11,00	30	71	168
12,00	35	71	120
12,50	35	71	120
13,00	35	71	120
13,50	35	71	120
14,00	35	71	120
15,00	35	71	120
16,00	35	71	120
18,00	40	71	90
20,00	40	71	90
22,00	40	71	90
25,00	45	71	72
30,00	45	71	72
32,00	45	91	72
35,00	45	91	72
40,00	45	91	72
45,00	45	116	72
50,00	45	116	72
55,00	45	116	72
60,00	45	116	72
65,00	50	116	56

SB25 SERIES SB25/D

PLASTIC CASE LIGHTING CAPACITORS

2 - DRY TYPE



TECHNICAL FEATURES	
Case	self-extinguish plastic
Dielectric	metallized polypropylene
Safety	Type A
Capacitance tolerance	± 5% ± 10%
Rated Voltage	280÷250 V
Frequency	50÷60 Hz
Temperature range	-25°C/+85°C
Voltage test between terminals	$2U_n$ x 2sec
Voltage test between terminals & case	2,5KV x 2sec
Tan δ @ 50 Hz	$< 5x10^{-4}$
dv/dt typical	10 V/µs

03 EN 61048 / EN 61049

SB25/D-DECK -STUD

CAP. [uF]	DIMENSIONS D mm	L mm	Q.TY (BOX)
2,00	30	53	250
2,50	30	53	250
3,00	30	53	250
3,15	30	53	250
3,50	30	53	250
4,00	30	53	250
4,50	30	53	250
5,00	30	53	250
6,00	30	53	250
7,00	30	53	250
7,50	30	69	200
8,00	30	69	200
9,00	30	69	200
10,00	30	69	200
11,00	30	93	140
12,00	30	93	140
12,50	30	93	140
14,00	30	93	140
15,00	30	93	140
16,00	30	93	140
18,00	35	93	80
20,00	35	93	80
22,00	35	93	80
25,00	35	93	80
30,00	40	93	60
32,00	40	93	60
35,00	40	93	60
40,00	40	93	60

03 EN 61048 / EN 61049

SB25/D-DECK-BCo-STUD

CAP. [uF]	DIMENSIONS D mm	L mm	Q.TY (BOX)
2,00	30	53	250
2,50	30	53	250
3,00	30	53	250
3,15	30	53	250
3,50	30	53	250
4,00	30	53	250
4,50	30	53	250
5,00	30	53	250
6,00	30	53	250
7,00	30	53	250
7,50	30	69	200
8,00	30	69	200
9,00	30	69	200
10,00	30	69	200
11,00	30	93	140
12,00	30	93	140
12,50	30	93	140
13,00	30	93	140
14,00	30	93	140
15,00	30	93	140
16,00	30	93	140

BCo = fixing:blip clip oriented

03 EN 61048 / EN 61049

SB25/D-DECK-BC

CAP. [uF]	DIMENSIONS D mm	L mm	Q.TY (BOX)
2,00	30	55	250
2,50	30	55	250
3,00	30	55	250
3,15	30	55	250
3,50	30	55	250
4,00	30	55	250
4,50	30	55	250
5,00	30	55	250
6,00	30	55	250
7,00	30	55	250
7,50	30	68	200
8,00	30	68	200
9,00	30	68	200
10,00	30	68	200
11,00	30	92	140
12,00	30	92	140
12,50	30	92	140
14,00	30	92	140
15,00	30	92	140
16,00	30	92	140
18,00	35	92	80
20,00	35	92	80
22,00	35	92	80
25,00	35	92	80

KB25 SERIES KB25/D

PLASTIC CASE LIGHTING CAPACITORS

2 - DRY TYPE



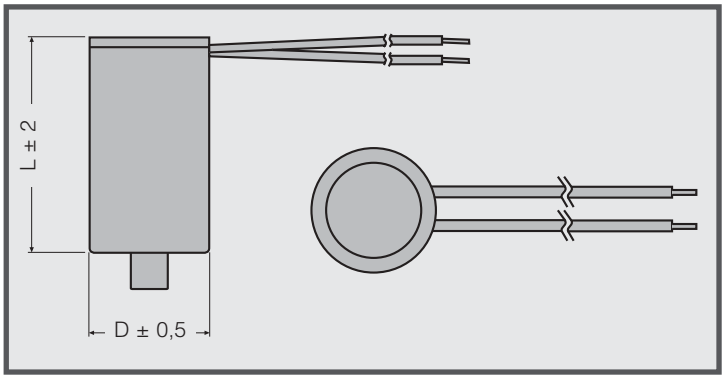
TECHNICAL FEATURES

Case	self-extinguish
Dielectric	metallized polypropylene
Safety	Type A
Capacitance tolerance	±5 ±10%
Rated Voltage	280÷250 V
Frequency	50÷60 Hz
Temperature range	-25°C/+85°C
Voltage test between terminals	$2U_n$ x 2sec
Voltage test between terminals & case	2,5KV x 2sec
Tan δ @ 50 Hz	$< 5x10^{-4}$
dv/dt typical	10 V/μs

03
EN 61048 / EN 61049

KB25/D-LEADS-STUD

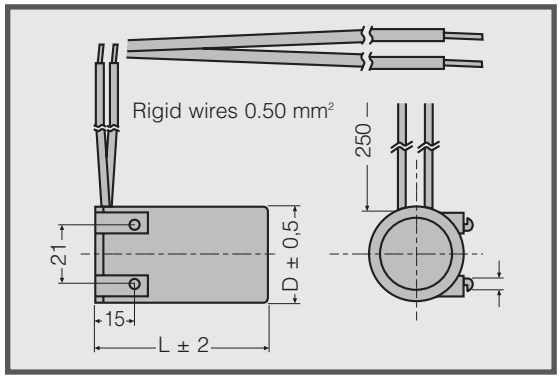
CAP [uF]	DIMENSIONS D mm	L mm	Q.TY (BOX)	CAP. [uF]	DIMENSIONS D mm	L mm	Q.TY (BOX)
2,00	28	54	200	**12,00**	36	67	120
2,50	28	54	200	**12,50**	36	67	120
3,00	28	54	200	**14,00**	36	67	120
3,15	28	54	200	**15,00**	36	67	120
3,50	28	54	200	**16,00**	36	92	80
4,00	28	54	200	**18,00**	36	92	80
4,50	28	54	200	**20,00**	36	92	80
5,00	28	54	200	**22,00**	36	92	80
6,00	28	54	200	**25,00**	40	92	60
7,00	28	67	170	**30,00**	40	92	60
7,50	32	67	150	**32,00**	45	92	60
8,00	32	67	150	**35,00**	45	92	60
9,00	32	67	150	**40,00**	45	92	60
10,00	32	67	150	**45,00**	50	93	50
11,00	32	67	150	**50,00**	50	93	50



03
EN 61048 / EN 61049

KB25/D-LEADS-BLIP CLIP

CAP [uF]	DIMENSIONS D mm	L mm	Q.TY (BOX)	CAP. [uF]	DIMENSIONS D mm	L mm	Q.TY (BOX)
2,00	28	54	200	**8,00**	32	67	150
2,50	28	54	200	**9,00**	32	67	150
3,00	28	54	200	**10,00**	32	67	150
3,15	28	54	200	**11,00**	32	67	150
3,50	28	54	200	**12,00**	36	67	120
4,00	28	54	200	**12,50**	36	67	120
4,50	28	54	200	**14,00**	36	67	120
5,00	28	54	200	**15,00**	36	67	120
6,00	28	54	200	**16,00**	36	92	80
7,00	28	67	170	**18,00**	36	92	80
7,50	32	67	150	**20,00**	36	92	80



IL SERIES

METAL CASE LIGHTING CAPACITORS

1 - PARALLEL COMPENSATION



TECHNICAL FEATURES	
Case	aluminium
Dielectric	metallized polypropylene
Safety	Type B - FP
Capacitance tolerance	± 5% ± 10%
Frequency	50÷60 Hz
Temperature range	-40°C/+100°C
Voltage test between terminals	$2U_n$ x 2sec
Voltage test between terminals & case	2,5KV x 2sec
Tan δ @ 50 Hz	< $5x10^{-4}$
dv/dt typical	10 V/μs

IL 1 (FP) 03

EN 61048 / EN 61049

AC 280 V -40°C/+100°C 50/60 Hz TYPE B

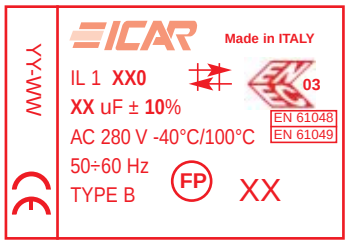
CAP [uF]	DIMENSIONS D mm	L mm	Q.TY (BOX)	CAP. [uF]	DIMENSIONS D mm	L mm	Q.TY (BOX)
2,00	30	63	100	**13,00**	35	78	81
2,50	30	63	100	**14,00**	30	103	100
3,00	30	63	100	**14,00**	35	78	81
3,15	30	63	100	**15,00**	30	103	100
3,50	30	63	100	**15,00**	35	103	81
4,00	30	63	100	**16,00**	35	103	81
4,50	30	63	100	**18,00**	35	103	81
5,00	30	63	100	**20,00**	35	103	81
6,00	30	78	100	**22,00**	40	103	64
6,30	30	78	100	**25,00**	40	103	64
7,00	30	78	100	**30,00**	40	103	64
8,00	30	78	100	**32,00**	45	128	50
9,00	30	78	100	**35,00**	45	128	50
10,00	30	78	100	**40,00**	45	128	50
11,00	30	103	100	**45,00**	45	128	50
11,00	35	78	81	**50,00**	45	128	50
12,00	30	103	100	**52,00**	55	128	36
12,00	35	78	81	**55,00**	55	128	36
12,50	30	103	100	**60,00**	55	128	36
12,50	35	78	81	**65,00**	55	128	36
13,00	30	103	100	**70,00**	55	128	36

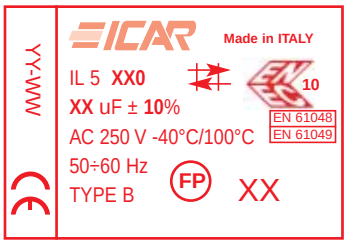
IL 5 (FP) 10

EN 61048 / EN 61049

AC 250 V -40°C/+100°C 50/60 Hz TYPE B

CAP [uF]	DIMENSIONS D mm	L mm	Q.TY (BOX)	CAP. [uF]	DIMENSIONS D mm	L mm	Q.TY (BOX)
4,50	30	63	100	**14,00**	30	78	100
5,00	30	63	100	**15,00**	30	103	100
6,00	30	63	100	**15,00**	35	78	81
6,30	30	63	100	**16,00**	30	103	100
7,00	30	63	100	**16,00**	35	78	81
8,00	30	63	100	**18,00**	30	103	100
9,00	30	63	100	**18,00**	35	78	81
10,00	30	78	100	**20,00**	30	103	100
11,00	30	78	100	**20,00**	35	78	81
12,00	30	78	100	**22,00**	30	103	100
12,50	30	78	100	**22,00**	35	78	81
13,00	30	78	100	**25,00**	35	103	81





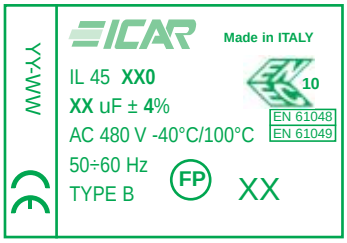
IL SERIES

METAL CASE LIGHTING CAPACITORS

2 - SERIES COMPENSATION



TECHNICAL FEATURES	
Case	aluminium
Dielectric	metallized polypropylene
Safety	Type B - FP
Capacitance tolerance	±3 ±4%
Frequency	50÷60 Hz
Temperature range	-40°C/+100°C
Voltage test between terminals	$2U_n$ x 2sec
Voltage test between terminals & case	2,5KV x 2sec
Tan δ @ 50 Hz	< $5x10^{-4}$
dv/dt typical	10 V/μs



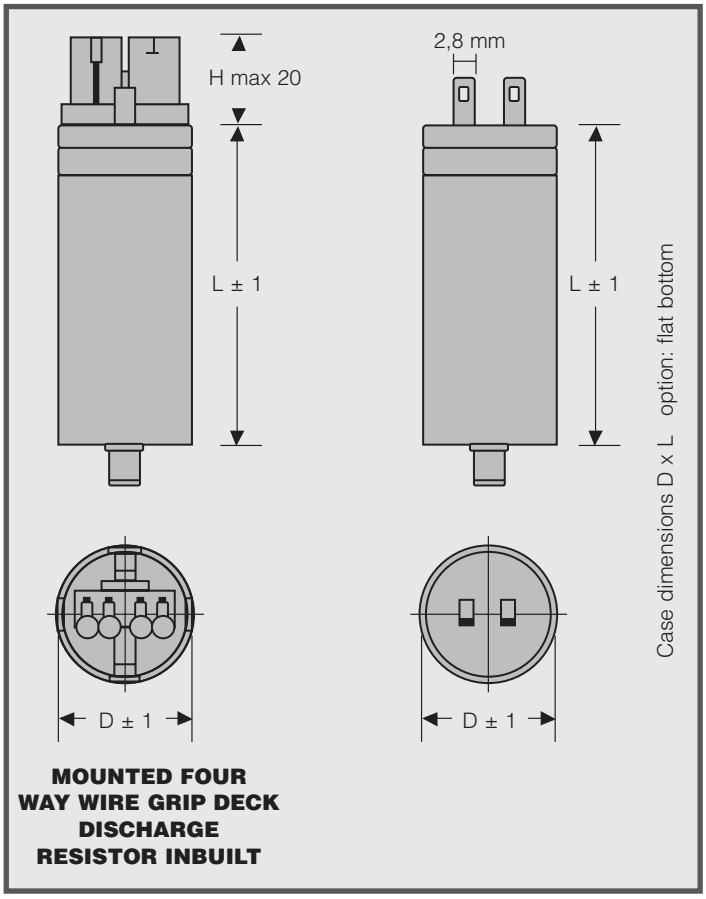
IL 45 (FP)

03
EN 61048 / EN 61049

AC 480 V	50/60 Hz
-40°C/+100°C	TYPE B

CAP [uF]	DIMENSIONS D mm	L mm	Q.TY (BOX)	CAP. [uF]	DIMENSIONS D mm	L mm	Q.TY (BOX)
2,6	25	78	144	**5**	30	78	100
2,7	25	78	144	**5,3**	30	78	100
2,9	25	78	144	**5,4**	30	103	100
3	25	78	144	**5,5**	30	103	100
3,2	30	78	100	**5,6**	30	103	100
3,3	30	78	100	**5,7**	30	103	100
3,4	30	78	100	**6,8**	30	103	100
3,6	30	78	100	**7,2**	30	103	100
3,9	30	78	100	**7,8**	30	103	100
4	30	78	100	**8**	30	103	100
4,1	30	78	100	**8,4**	35	103	81
4,2	30	78	100	**8,7**	35	103	81
4,4	30	78	100				
4,6	30	78	100				

SAFETY LINE
All IL series capacitors are equipped with overpressure safety device (FP).
Total elongation is about 7 mm after overpressure disconnector release.
Do not use of rigid connections.



MOUNTED FOUR WAY WIRE GRIP DECK DISCHARGE RESISTOR INBUILT