

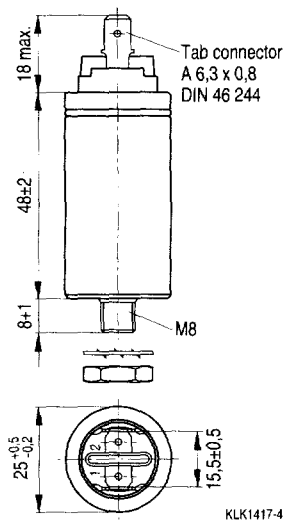
AC Capacitors for Power Electronics (MKV)

**High dielectric strength and
high peak current capability
For damping and commutation
in the medium frequency range**
Self-healing, with overpressure disconnecter

Load duration	100 000 h
Failure quota	300 failures in 10^9 h
IEC climatic category	25/085/56
Recurrent peak voltage $\hat{v}$	750 ... 1100 V
Non-recurrent surge voltage v_s	1000 ... 1500 V
Dissipation factor $\tan \delta$ (50 Hz)	$\leq 3 \cdot 10^{-4}$

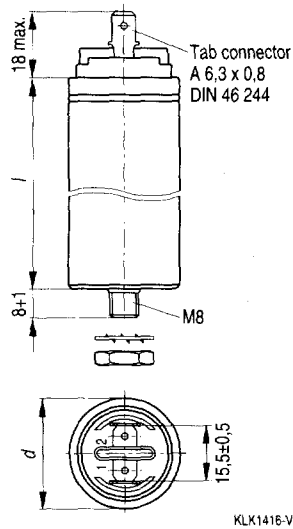
Dimensional drawing 1

Tab connectors 6,3 mm



Dimensional drawing 2

Tab connectors 6,3 mm



$d + 0,5/-0,2$ mm	$l \pm 2$ mm
30	48
30	80

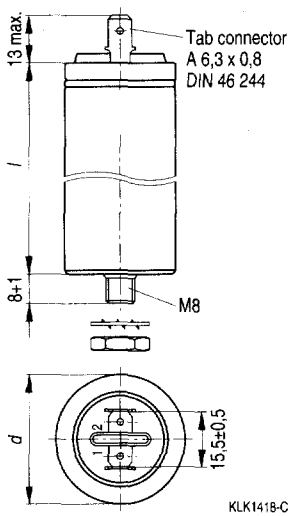
Mounting parts (included in delivery):

Toothed washer J8,2 DIN 6797
Hex nut M8 ISO 4035

AC Capacitors for Power Electronics (MKV)

Dimensional drawing 3

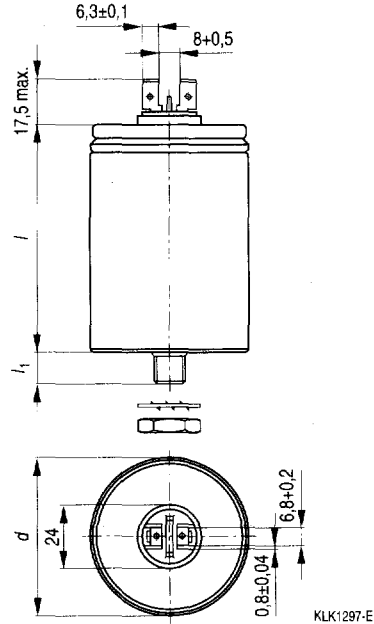
Tab connectors 6,3 mm



$d + 0,5/-0,2$ mm	$l \pm 2$ mm
35	48
35	80

Dimensional drawing 4

Dual tab connectors 6,3 mm



$d + 0,5/-0,2$ mm	$l + 1/-2$ mm	$l_1 + 1^*)$ mm
40	86	8
50	86	12
60	86	12

*) 8 mm = threaded bolt M8
12 mm = threaded bolt M12

Mounting parts (included in delivery):

For threaded bolt M 8: toothed washer J 8,2 DIN 6797, hex nut M8 ISO 4035
For threaded bolt M12: toothed washer J 12,5 DIN 6797, hex nut M12 ISO 4035

AC Capacitors for Power Electronics (MKV)

C_R	Dimensions $d \times l$	Dim. drawing	Ordering code	Min. qty.	Max. qty.				
μF	mm								
$V_R = AC\ 600\ V$						Capacitance tolerance $\pm 10\ %$			
1,0	25 $\times$ 48	1	B25834-F4105-K1	32	128				
1,5	30 $\times$ 48	2	B25834-F4155-K1	20	80				
2,2	30 $\times$ 48	2	B25834-F4225-K1	20	80				
3,3	35 $\times$ 48	3	B25834-F4335-K1	18	72				
4,7	30 $\times$ 80	2	B25834-F4475-K1	20	80				
6,8	35 $\times$ 80	3	B25834-F4685-K1	18	72				
10	40 $\times$ 86	4	B25834-L4106-K9	12	48				
$V_R = AC\ 750\ V$						Capacitance tolerance $\pm 10\ %$			
4,7	35 $\times$ 80	3	B25834-F5475-K1	18	72				
6,8	40 $\times$ 86	4	B25834-L5685-K9	24	48				
10	50 $\times$ 86	4	B25834-L5106-K9	18	36				
$V_R = AC\ 900\ V$						Capacitance tolerance $\pm 20\ %$			
0,1	25 $\times$ 48	1	B25834-F6104-M1	32	128				
0,22	25 $\times$ 48	1	B25834-F6224-M1	32	128				
0,33	25 $\times$ 48	1	B25834-F6334-M1	32	128				
0,47	25 $\times$ 48	1	B25834-F6474-M1	32	128				
0,68	25 $\times$ 48	1	B25834-F6684-M1	32	128				
$V_R = AC\ 900\ V$						Capacitance tolerance $\pm 10\ %$			
1,0	30 $\times$ 48	2	B25834-F6105-K1	40	80				
1,5	35 $\times$ 48	3	B25834-F6155-K1	32	128				
2,2	30 $\times$ 80	2	B25834-F6225-K1	40	80				
3,3	35 $\times$ 80	3	B25834-F6335-K1	32	128				
4,7	40 $\times$ 86	4	B25834-L6475-K9	24	48				
6,8	50 $\times$ 86	4	B25834-L6685-K9	18	36				
10	60 $\times$ 86	4	B25834-L6106-K9	12	24				