



Film capacitors – Power Factor Correction

Key components – Discharge reactor

Series/Type: B44066E
Ordering code: B44066E9900L001
Date: March 2013
Version: 4

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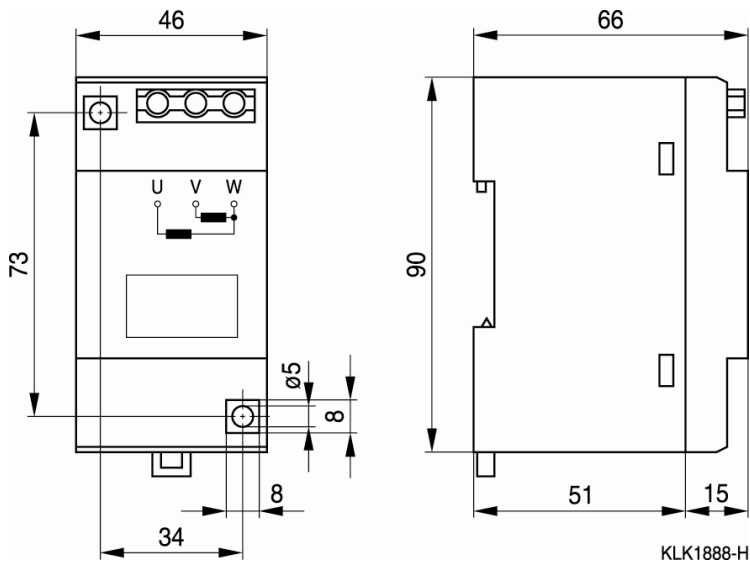
EPCOS AG is a TDK Group Company.

Characteristics

- Fast discharge for fast reconnection of PFC capacitors
- Reduced losses
- Shockproof case for rail mounting


Technical data and specifications

Weight		0.5 kg																		
Dimensions	h x w x d	90 x 46 x 66 mm																		
Case		Shockproof																		
Voltage	V_R	230 ... 690 V																		
Frequency	f	50/60 Hz																		
Internal configuration		2 windings in V arrangement																		
Resistance	R	7.5 k Ω																		
Discharge time	t	<table style="border: none;"> <tr> <td style="padding-right: 20px;">230 V</td> <td>up to 25 kvar <10 s</td> </tr> <tr> <td></td> <td>up to 50 kvar <20 s</td> </tr> <tr> <td></td> <td>up to 100 kvar <40 s</td> </tr> <tr> <td style="padding-right: 20px;">400 ... 525 V</td> <td>up to 25 kvar <5 s</td> </tr> <tr> <td></td> <td>up to 50 kvar <10 s</td> </tr> <tr> <td></td> <td>up to 100 kvar <20 s</td> </tr> <tr> <td style="padding-right: 20px;">525 ... 690 V</td> <td>up to 25 kvar <3 s</td> </tr> <tr> <td></td> <td>up to 50 kvar <6 s</td> </tr> <tr> <td></td> <td>up to 100 kvar <12 s</td> </tr> </table>	230 V	up to 25 kvar <10 s		up to 50 kvar <20 s		up to 100 kvar <40 s	400 ... 525 V	up to 25 kvar <5 s		up to 50 kvar <10 s		up to 100 kvar <20 s	525 ... 690 V	up to 25 kvar <3 s		up to 50 kvar <6 s		up to 100 kvar <12 s
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Power loss	P_{Loss}	< 1.6 W																		
Free wheeling current	I	< 3.4 mA																		
Accepted discharge number		1 x / minute and 100 kvar																		
Temperature class		Ta = 40 °C/B																		
Cable diameter	\varnothing	0.75 ... 2 x 2.5 mm ²																		
Installation location		Indoor																		
Degree of protection	I	IP40																		
Terminals		Fixing torque 0.5 Nm																		
Ambient temperature		-25 ... +55 °C																		
Cooling		Natural																		

Dimensional drawing

Cautions and warnings

- Do not install the discharge reactor in case of any visible damages.
- Installation must be done by skilled personnel only.
- Do not use or store the device in corrosive atmosphere, especially where chloride gas, sulphide gas, acid, alkali, salt or similar substances are present.
- Do not touch the device during operation: all electrically active parts of this equipment carry a dangerous voltage which can lead to burns or electric shock.
- Covers which protect these electrically active parts from being touched must not be opened or removed during operation.
- Before any assembly or maintenance work is started, all installations and equipment must be disconnected from the power source.
- Noncompliance with these instructions may lead to death, serious injury or major damage to equipment.

FAILURE TO FOLLOW CAUTIONS MAY RESULT, WORST CASE, IN PREMATURE FAILURES OR PHYSICAL INJURY.

Note

For detailed information about PFC capacitors and cautions, refer to the latest version of EPCOS PFC Product Profile.

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