

Discharge Reactor

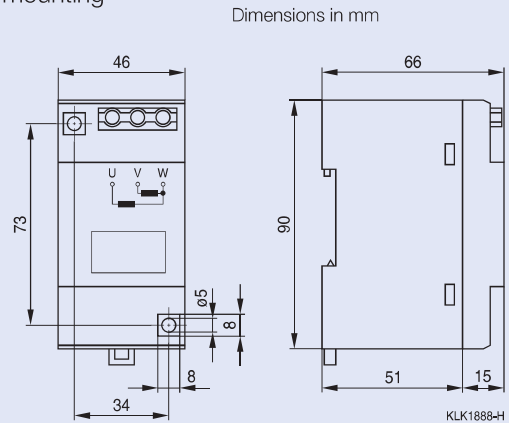


General

The losses of discharge reactors are substantially lower than those of discharging resistors. They satisfy the requirement for permanently connected discharging device and for a discharge time of a few seconds. Fast discharging allows a fast re-switching in automatic PFC equipment. However, max. 5000 switching operations (according to IEC 60831) should not be exceeded.

Features and dimensional drawings

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



Technical data

Ordering code		B44066E9900L001
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	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
Power loss	P_{Loss}	< 1.6 W
Free-wheeling current	I	< 3.4 mA
Accepted discharge number		1x / minute and 100 kvar
Insulation class	R_{INS}	Ta = +40 °C/B
Cable diameter	\varnothing	0.75 ... 2 x 2.5 mm ²
Terminals		fixing torque 0.5 Nm
Installation location		indoor
Ambient temperature		-25 ... +55 °C
Cooling		natural
Dimensions	$h \times w \times d$	90 x 46 x 66 mm
Weight		0.5 kg