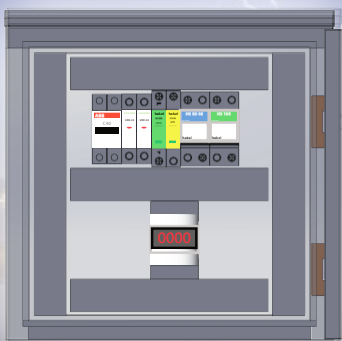
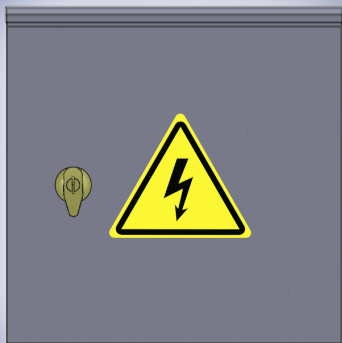


EM 6000 Surge Protection System



EM6000 is a standard lightning and surge protection device. In order to prevent other connected devices from being damaged by voltage that is too high for a momentary appliance to be able to accept as well. and there are several steps of protection before the damage occurs. You can be confident that your electrical appliances will be safe.

Technical Data

Electrical SPEC

Input/Output	Single Phase 220VAC
Step 1 Protection	Fuse L/N
Step 2 Protection	Main Circuit Breaker (MCB)
Step 3 Protection	Varistor Arrester Type 2 Max. continuous operating voltage (Uc) 275 VAC Max. discharge current (8/20) L/N (Imax) 50 kA Nominal discharge current (8/20) (In) 20 kA Lightning impulse current (10/350) (Iimp) 20 kA voltage protection level (Up) < 1.3 kV TOV L/PE 335V / 5sec. TOV N/PE 1200V / 0.2sec.
Step 4 Protection	Lightning Arresters Type 1 Max. continuous operating voltage (Uc) 255 VAC Impulse discharge current (10/350) L/PE (Iimp) 50 kA voltage protection level (Up) < 2 kV Follow current interrupt rating (Ifi) 3 kArms Max. back-up fuse 500 A gL/gG TOV L/PE 335V / 5sec. Response time 25ns.
Step 5 Protection	Test Class According to EN61643-11 and IEC61643-11 Lightning Arresters Type 1 Max. continuous operating voltage (Uc) 255 VAC / 50Hz Impulse discharge current (10/350) N/PE (Iimp) 100kA voltage protection level (Up) < 2 kV Follow current interrupt rating (Ifi) 100 Arms TOV L/PE 1200V / 0.2sec. Response time 25ns.
Step 6 Protection	Grounding System Resistance-Earthed < 5 ohms. with Aluminium Cable 50sqmm. and Ground Rod 5/8" @ 18m.

Mechanical SPEC

Display	Surge Display Counter and Status
Box material	Stainless Steel
Protection Class	Housing IP65 (cable entry IP54)
Dimension (WxHxD)	400x400x250mm.
Weight	10kg.

