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MST-03

Soft start for halogen lamps

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MST-03 is designed to limit current overcurrents occurring when switching on the power supply of circuits with inductive or capacitive characteristics (such as LED lighting, pulse power supplies, lighting fixtures) or non-linear characteristics (such as incandescent and halogen lamps).

FUNCTIONING

DESCRIPTION

Functioning:

When switched on by a momentary (bell) switch, the initial current flowing through capacitive, inductive or non-linear loads may exceed the rated values many times. The duration of such overcurrent is very short (usually less than 0.1 second), but due to the level of overcurrent it can lead to tripping of overcurrent protections or bonding of relay contacts in home automation systems. When switched on, the MST-03 forces the current to flow through the built-in NTC thermistor limiting the maximum current amplitude. After a period of 1÷1.5 seconds the thermistor is blocked and from then on the current flows into the load without any restriction. The resistance of the thermistor depends on the current value and the time of operation, so that the effect of the limitation weakens over time, minimizing the current spike that could occur when the thermistor is disconnected.

ATTENTION!

MST-03 is not designed for smooth lighting brightening.

TECHNICAL DATA

Rated permanent current Iu	30 A
Max. apparent power	7500 VA
Short-circuit current limiter	No
Mounting method	DIN rail

Conditioned rated short-circuit current Iq	0 kA

Manual

CE Declaration

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