

# EMS 16 is watching for "elektrosmog" free space



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**Automatic switch EMS 16**

## AUTOMATIC SWITCH EMS-16

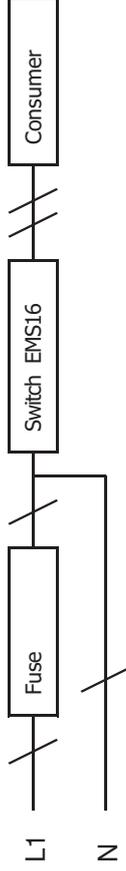
### Application

The EMS-16 automatic switch is ideally suited to controlling the electro-magnetic fields generated in bedrooms where we spend a good proportion of the day. It is known that electro-magnetic fields contribute to many health problems such as blood circulation, blood pressure, headaches, migraine, inflammation, cramps, sleeping disorders, .....

The best way to prevent the negative influence of electromagnetic fields is to switch off all electric circuits. The EMS-16 automatic switch will 'isolate' the circuit to which it is connected if that circuit is not supplying power to the connected appliance (i.e. appliance is switched off). When the appliance is switched on, the EMS-16 switch will sense this and supply electric energy to the circuit.

### Installation

The EMS-16 automatic switch should be installed in a distribution board adjacent to the circuit protection device mounted on a top-hat rail (EN 50022). It should be connected into the existing circuit as shown in the diagram below. It should be noted that one EMS switch is only intended to protect one individual circuit.



### TECHNICAL DATA

Standards: EN 606698-2-1 (SIST EN 60669-2-1).

Voltage: 230 VAC/50Hz

Sensing Load: 1W

Number of Switching Contacts: 1

Maximum Load: 3680W (16 A)

Disconnection Time Delay: max 1 sec

Terminal Capacity: 2,5mm<sup>2</sup>

Mounting: on rail 35mm EN 50022

Indicator: LED (built-in)

Unit is fitted with manual override.

Operating Temperature: -20°C up to +55°C

Enclosure:

Material: Self-Extinguishing Plastic UL 94 V2

Colour: Grey (RAL 7047)

Dimensions: 61x90x17,5 mm

Weight: 63 g

Ingress Protection: IP 10

## Instructions in case of switch EMS-16 malfunctions

The indicator light on top of the EMS-16 will illuminate when the module is connected to a circuit that is consuming power. This signal indicates that the circuit conductors are 'live' and the line is under voltage. Under these conditions there will be an electro-magnetic field ("Elektrosmog") surrounding the conductors. If the indicator light does not illuminate and the connected appliance (load) is not functional; check the appliance by connecting to another circuit and check that the circuit protection device and EMS-16 module are connected correctly. If checks prove satisfactory but the indicator light still fails to illuminate then there may be a malfunction of the EMS module. In this case the automatic control functions of the EMS module may be by-passed by pulling out the plastic strip (marked 'In case of emergency pull out') and so provide permanent power to the connected load. Application of over-voltages or transient voltage spikes may cause damage to the electronic components of the EMS module, in which case, may require replacement of module.

EMS16 in distributing board

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