

# SWITCH-ISOLATORS BUILT WITH SAFETY AND RELIABILITY IN MIND



LASTING  
CONNECTIONS

100  
YEARS

# SWITCH-ISOLATORS INTRODUCTION

Switch-isolators from MK Electric are sturdily built to withstand more than just the vagaries of the weather. The entire range of MK isolating switches are exclusively designed to surpass uncompromising standards of total safety and reliability.

The MK switch-isolators range is yet another product line from MK Electric, the industry leader in product quality and safety standards for a century.

When safety and quality matter most, choose MK. It's the logical choice.

## FEATURES AND BENEFITS

MK switch-isolators are uniquely designed to be compact and neat in appearance – coupled with MK's renowned standard of quality, this allows the product to be placed unobtrusively in any outdoor location, no matter how exposed it is to the harsh effects of extreme heat, dust, rain and humidity.

The polycarbonate front cover has been deliberately chosen to withstand the rigours of outdoor environments.

## RIGOROUSLY TESTED

MK switch-isolators are manufactured according to the strictest MK quality standards and the ISO 9000 quality system requirements.

All models are weatherproof as per IP66 and tested to IEC 60947-3 and BS EN 60947-3.

TECHNICAL SPECIFICATION	
AC22A	AC23A
<b>Standard specification</b> BS EN 60947-3:2009+A2:2015	BS EN 60947-3:2009+A2:2015
<b>Number of poles</b> 2P & 4P	2P & 4P
<b>Rated operational current <math>I_e</math></b> 20A, 32A, 45A & 63A	20A, 32A, 45A & 63A
<b>Rated operational voltage <math>U_e</math></b> 240/415V	240/415V
<b>Rated insulation voltage <math>U_i</math></b> 690V	690V
<b>Rated impulse voltage <math>U_{imp}</math></b> 2.5KVp1.2/50s	2.5KVp1.2/50
<b>Rated frequency</b> 50/60 Hz	50/60 Hz
<b>Rated utilization category</b> AC22A	AC23A
<b>Rated making capacity</b> $3I_e$	$8I_e$
<b>Rated short-time withstand current <math>I_{cw}</math></b> $15I_e$ for $1_s$	$15I_e$ for $1_s$
<b>Rated short-circuit making capacity <math>I_{cw}</math></b> 3000A	4500A
<b>Pollution degree</b> 3	3
<b>Degree of protection</b> IP 66	IP 66
<b>Terminal Capacity</b> 16mm <sup>2</sup> (Rigid Stranded Cable)	16mm <sup>2</sup> (Rigid Stranded Cable)

LIST NUMBERS				
	20A	32A	45A	63A
2P	M4418	M4417	M4419	M4421
4P	M4414	M4413	M4420	M4422

E.g. order a List No. M4418 -22 for a AC 22A, 20A 2 pole switch-isolator

## EASILY INSTALLED

Easy installation is one of the key features and benefits offered by MK. Cable entry knockouts are provided at the top and bottom of the enclosure. They are suitable for use with any standard range of cable/conduit accessories.

Each unit is supplied with two adaptors for convenience of installation.

Caps for mounting screws are supplied so as to enhance the weatherproof feature. Screw caps are also provided to prevent dust from collecting in the screw recesses and are designed to flush with the surface, giving a good aesthetic look of a screwless switch-isolator.



## APPLICATION

Designed to IEC 60947-1 & 60947-3, the MK range of switch-isolators are suitable for purpose of:

- Isolating;
- Switching ON & OFF on-load;
- Emergency switching;
- Functional switching

It is designed for frequent switching even on severe load such as switching of motor loads or other highly inductive loads.

Suitable to be mounted indoor and outdoor for adverse environmental condition of pollution degree 3 and IP 66.



## SAFETY AND SECURITY

To meet safety requirements of wiring installation rules, the handle can be padlocked in the switch OFF position for controlling equipment that are remotely installed. This will ensure securing an Off-load isolation against any inadvertent and unauthorised operation.

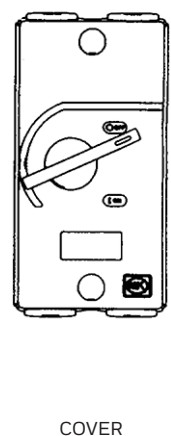
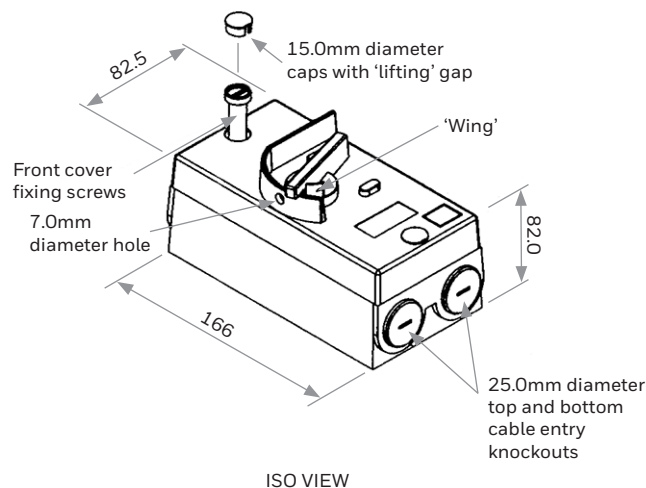
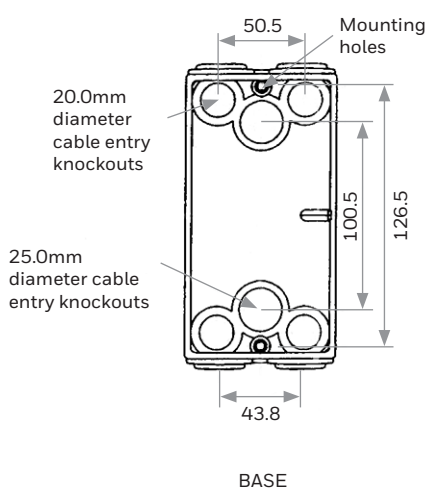
There is also the option for padlocking in the ON position just by drilling a hole in the lever. Full instructions are provided in the instruction sheet.

A first and innovative design that allows padlocking to be done using padlock with hasp of smallest diameter up to 7mm.

## 2-POLE AND 4-POLE CONSTRUCTION

To ensure isolation of all live supply conductors from the circuit concerned, all poles are isolated. In addition, the isolating distance complies to requirement of IEC 60947 and that the position of contact is clearly and reliably indicated.

## DIMENSIONS (MM)



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MK-102019-ISOLATOR  
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