



# Enclosed **SIRCO MC PV**

Enclosed disconnect switches  
for photovoltaic applications  
from 25 to 40 A, up to 1000 VDC



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REDUCED INSTALLATION TIME  
ENHANCED SAFETY  
UNIVERSAL RANGE  
DESIGNED FOR HARSH  
ENVIRONMENTS

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Designed for the unique technical constraints of solar applications, SIRCO MC PV load break switches deliver maximum performance with a compact footprint. Installation is easy, fast and safe. Capable of making and breaking under load, SIRCO MC PV provides optimised safety for photovoltaic circuits. As an enclosed solution, it provides protection against contact with live parts as well as environmental factors such as dust, water and other hazards.

# SIRCO MC PV

Enclosed disconnect switches for photovoltaic applications  
from 25 to 40 A, up to 1000 VDC

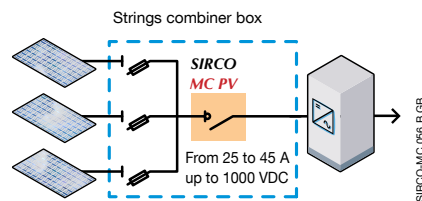
## Benefits

- **Reduced installation time**
  - Pre-drilled holes for fast installation of knock-outs.
  - Bridging bars are factory fitted for easier, quicker and safer connection of + and - polarities.
  - Large space for wiring and generous connection capability up to 10 mm<sup>2</sup>.
- **Enhanced safety**
  - On load switching and disconnection function for complete safety throughout the product lifecycle, including maintenance or emergency switching.
  - Padlock in OFF position (up to 3 padlocks).
  - Sealable cover to prevent unintentional access to enclosure interior.
- **Universal range**
  - Single enclosure dimension for all electrical configurations.
  - Rating from 25 to 40 A.
  - Up to 1000 VDC.
  - Single or double circuits.
- **Designed for harsh environments**
  - Exceeds requirements of latest industry standards.
  - Specific photovoltaic test beyond requirements of IEC 60947-3 standard.
  - No derating up to 60 °C.

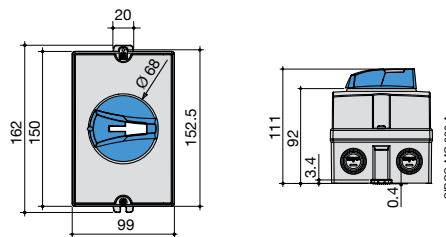
## Characteristics

- IP65 Protection for outdoor operation.
- Internal and external mounting screws.
- M16, M20 and M25 pre-drilled holes (12).
- Dual polarity switching (+ and -).

## Typical electrical installation



## Dimensions



## References

Number of PV circuits	Voltage (VDC)	Rating (A) DC 21 B	SIRCO MC PV references (lose)	Enclosure SIRCO MC PV references	Enclosed SIRCO MC PV references
1	600 V	30 A	21PV 2102	2115 9305	PFFA 223 415
1	600 V	40 A	21PV 3124	2115 9305	PFFA 223 416
1	1000 V	25 A	21PV 3722	2115 9305	PFFA 223 417
1	1000 V	40 A	21PV 4752	2115 9305	PFFA 223 418
2	600 V	30 A	21PV 5102	2115 9305	PFFA 223 419

## HEAD OFFICE

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## YOUR DISTRIBUTOR

[www.socomec.com](http://www.socomec.com)

## Conformity of standards

IEC 60947-3  
EN 60947-3

## SIRCO PV



Photovoltaic load break switches up to 1500 VDC. Specially designed for solar applications. Available from 20 to 3200 A, IEC, UL and CSA certified.

## One of Europe's largest power laboratories

The Pierre Siat test laboratory has guaranteed the reliability and compliance of Socomec products since 1965.

Accredited by UL, CSA and KEMA, it also works in partnership with certification organisations (such as CEBEC, ASTA, Lloyd's, Bureau Veritas and GOST-R) to ensure that the safety and quality requirements of each specific territory are addressed fully.



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