

BENNING

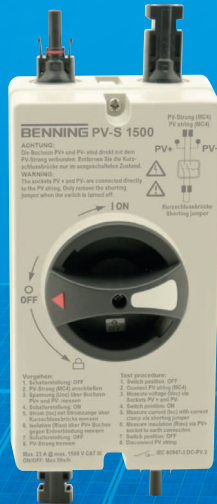
NEW!

PV-S 1500

PV short-circuit switch for
PV systems of 1500 V

Recommendation

For commissioning tests and
periodic inspection of PV systems



safe & reliable switching of
short-circuit currents
on **PV systems** of up to **1500 V**

BENNING PV-S 1500

PV short-circuit switch for PV systems of 1500 V for measurement
of open-circuit voltage (U_0/c), short-circuit current (I_{sc}/c) and insulating
resistance (R_{iso})

BENNING CM 3-PV

TRUE RMS digital current clamp meter
with 1500 V DC measuring range

BENNING IT 100

Insulating resistance and low-impedance measuring instrument

BENNING L-Boxx® 136

Toolbox for convenient and safe storage

duspol@benning.de • Tel.: +49 / (0) 2871 / 93-111

www.benning.de

PV short-circuit switch for PV systems of 1500 V

for commissioning tests and periodic inspection of PV systems

BENNING PV-S 1500

PV short-circuit switch for PV systems of 1500 V

- open-circuit voltage (Uo/c) up to 1500 V DC can be measured via 4 mm safety jacks (Uo/c) via multimeter or current clamp meter
- short-circuit current (Is/c) up to 23 A DC (at 1500 V) can be safely switched, can be measured via short-circuit bridge and DC current clamp meter
- insulating resistance in case of a short-circuit and when the PV string is open-circuited can be measured via insulating resistance measuring instrument

Features

- robust polycarbonate housing material
- lockable OFF position to prevent unauthorised operation
- connection of the PV string via MC4-compatible connectors
- 4 mm safety jacks for measuring the open-circuit voltage and the insulating resistance
- short-circuit bridge with MC4-compatible connectors

Recommendation for commissioning tests and periodic inspection of PV systems up to 1000 V

Testing in compliance with EN 62446-1 and EN 62446-2 with test procedure 1

- BENNING PV-S 1500 PV short-circuit switch for PV systems of 1500 V
- BENNING IT 100 insulating resistance and low-impedance measuring instrument (insulation resistance (Riso) with 500 V/1000 V test voltage, low-impedance resistance (RPE) with 200 mA test current, voltage up to 1000 V AC/DC)
- BENNING CM 3-PV TRUE RMS digital current clamp meter (open-circuit voltage (Uo/c) up to 1500 V DC, short-circuit current (Is/c) up to 23 A (1500 V), voltage up to 1000 V/1500 V AC/DC, current up to 400 A AC/DC, resistance, frequency, capacity, continuity, diode)
- BENNING L-Boxx® 136 toolbox for convenient and safe storage
- foam insert for BENNING L-Boxx® 136 pre-perforated foam insert, easy and perfect adaptation



PV short-circuit switch

	BENNING PV-S 1500
system voltage	max. 1500 V DC
switching current	max. 23 A @ 1500 V DC
overvoltage category	CAT IV 1000 V, CAT III 1500 V
open-circuit voltage (Uo/c)	via 4 mm safety jacks
short-circuit current (Is/c)	via short-circuit bridge (MC4 compatible)
insulating resistance (Riso)	via 4 mm safety jacks
safety standard	IEC / EN 60947-3
PV connector	MC4 compatible
material	Polycarbonat
dimensions/weight	179 x 94 x 82 mm/ 700 g
scope of delivery	PV short-circuit switch, short-circuit bridge MC4 compatible
item no.	11002374

Recommendation

TIP!

	Item no.
BENNING PV-S 1500 PV short-circuit switch	11002374
BENNING IT 100 insulating resistance and low-impedance measuring device	044107
BENNING CM 3-PV TRUE RMS digital current clamp meter	11001235
BENNING L-Boxx® 136 toolbox	10236015
foam insert for BENNING L-Boxx® 136	10236017

BENNING Elektrotechnik und Elektronik GmbH & Co.KG
factory I (administration): Münsterstraße 135-137 · D-46397 Bocholt
factory II (production/calibration): Robert-Bosch-Straße 20 · D-46397 Bocholt
Tel.: +49 / (0) 28 71/93-111
www.benning.de · E-Mail: duspol@benning.de

