

# PLENTICORE G3

DC overvoltage protection module type 2

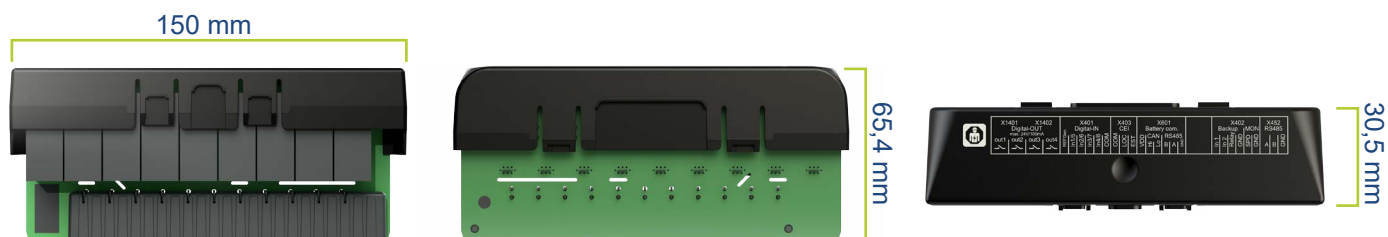


Data sheet

## Technical data - DC overvoltage protection module type 2

Protect your PLENTICORE G3 from external overvoltage events. The optionally available type 2 DC overvoltage protection module can be easily plugged into the inverter at a later date using Plug&Play.

- Protection against external overvoltage events
- Can be retrofitted for the DC side of all PLENTICORE generation 3 inverters
- Plug & Play: Quick installation, simply plug in, no additional cabling required
- Communicative: Triggering and failure detection via event message on the inverter and via the KOSTAL Solar Portal and KOSTAL Solar App



DC overvoltage protection module type 2	Unit	
Compatible with the following inverters		PLENTICORE G3 series
Mounting type		Plug-in module in the inverter
Type of contacting		Plug-in module can be optionally installed
Overvoltage protection according to IEC61643-31		Typ II
Overvoltage protection suitable for		DC voltages incl. photovoltaics
SPD design		Voltage limitation
Behaviour in the event of a fault		OCFM (open circuit failure mode)
Status message		Failure detection/visualisation via inverter display or web server, the KOSTAL Solar Portal and KOSTAL Solar app
Number of DC inputs		3
Max. input voltage (Udcmax)	V	1000
Max. input voltage to PE	V	1000
Max. PV short-circuit current (Iscpv) per DC input	A	40,0 / 40,0 / 40,0
Nominal discharge current (In)	kA	5
Voltage protection level (Up)	V	2800
Continuous current (Icpv)	µA	<20
Residual current (Ipe)	µA	<20
Operating modes		DC+ / PE   DC- / PE   DC+ / DC-
Protection class according to IEC 60529		IP 00
Degree of contamination		2
Ambient temperature	°C	-20...+85
Max. installation altitude above sea level	m	2000
Relative humidity	%	4...100
Width/height/depth	mm	150/65,4/30,5
Weight	kg	0,335
Legal warranty	years	2
Guidelines/Certification		IEC 61643-31, CE