

# PLENTICORE G3

## KOSTAL BackUp Switch



Data sheet

Draft

## Technical data - KOSTAL BackUp Switch G3

With the manual KOSTAL BackUp Switch G3, you can continue to supply your home with energy in the event of a grid failure in combination with the PLENTICORE G3 series, solar energy and a connected battery. To do this, the KOSTAL BackUp Switch G3 is installed in the home and connected to the inverter. In the event of a grid failure, simply switch manually to the house grid and the inverter will continue to supply you with energy.

- Manual three-phase mains switch
- Compatible with all inverters of the PLENTICORE G3 series
- Integrated cable break detection for the evaluation signal of the switch position
- Compact and space-saving installation: Only 8 module units are required. The BackUp Switch therefore fits perfectly together with the KOSTAL Smart Energy Meter on the same top-hat rail.
- Installation in existing sub-distribution or in separate housing possible
- Convenient wiring options: One output each for consumers in backup operation and in mains operation
- Suitable for house connections up to 63A
- Connection of a local system referencing conductor possible

### General

KOSTAL BackUp Switch G3	Unit	
Switching		manually via rotary switch
Switching mode		N leading
Mains connection		3N~, 230/400 V, 50 Hz
Network type public network		TN/TT
Type of network island network		TN-S
Construction width	mm	144 (8 Division Units)
Ambient temperature	°C	0 – 40
Degree of pollution		3
Service life		>1000 switching cycles
Switch-disconnector according to IEC 60947-3		yes
Input Mains side		yes
Output backup loads		yes
Connection star point replica		yes
Output for loads not supplied in backup mode		yes
Connection Evaluation Switch position		yes (2 wire)
Legal warranty	year	2
Guidelines/certification		VDE-AR-E 2510-2

### Power contacts

Rated operating voltage (U <sub>e</sub> )	V	400
Rated operational current (I <sub>e</sub> ) / Rated impulse withstand voltage (U <sub>imp</sub> )	A	63
Utilisation category	kV	6
Rated power, AC-23A		AC-23B
Rated short-circuit current	kW	22
Conductor cross-section AC	kA	6
Conductor cross-section system referencing conductor	mm <sup>2</sup>	4...16
Wire cross-section system referencing conductor	mm <sup>2</sup>	4...16

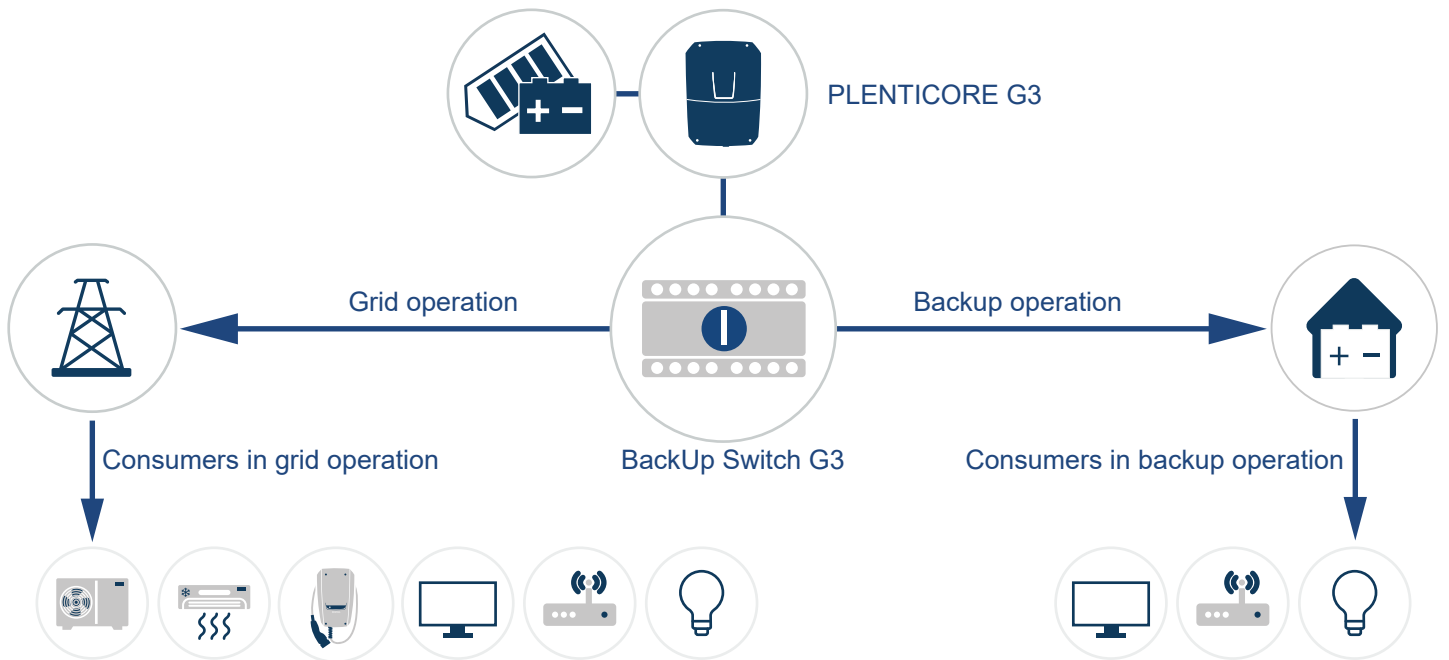
### Signal/auxiliary contacts

Rated operational voltage	V	48
Rated operational current	A	1
Minimum current	mA	1
Cable cross-section	mm <sup>2</sup>	0,2...2,5
Max. cable length to inverter	m	
Integrated cable break detection		

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# KOSTAL BackUp Switch G3 - Overview connection

## KOSTAL BackUp Switch G3 - System overview



## Services around our products

You can find all further information at [www.kostal-solar-electric.com](http://www.kostal-solar-electric.com)

