SOLAR ELECTRIC

PLENTICORE MP G3

KOSTAL BackUp Switch MP



Data sheet

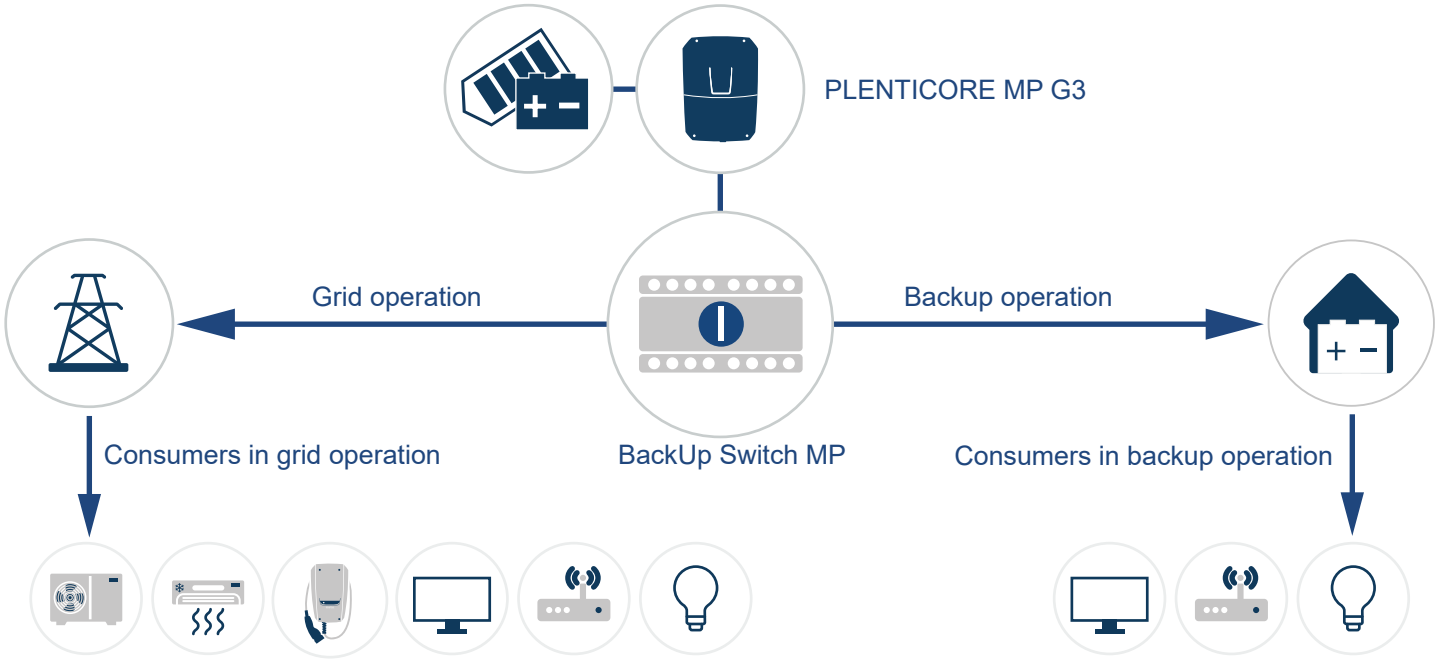
KOSTAL BackUp Switch MP: Manual switch

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

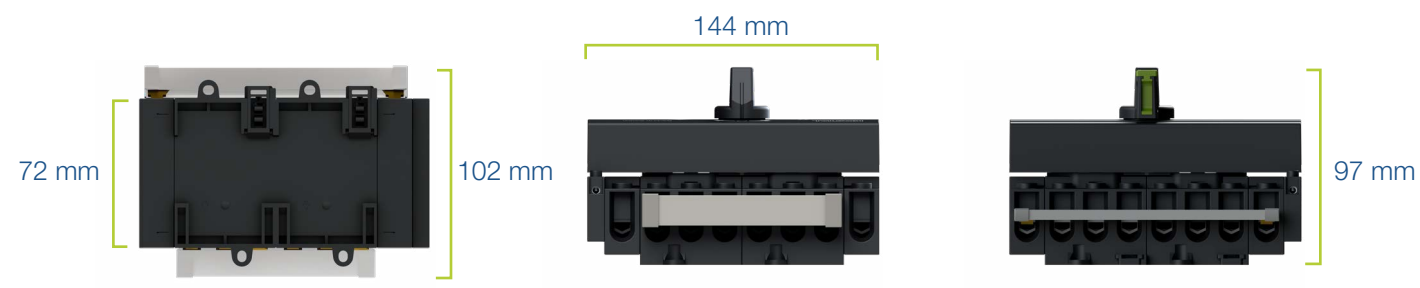


- Manual one-phase mains changeover switch
- Compatible with all PLENTICORE MP G3 series inverters
- Integrated cable break detection for the evaluation signal of the switch position
- Compact and space-saving installation: only 8 partition units are required. The BackUp Switch therefore fits perfectly on the same top-hat rail as the KOSTAL Energy Meter MP.
- Can be installed in an existing sub-distribution board or in a separate housing
- Convenient wiring options: One output each for consumers in backup mode and mains operation
- Suitable for house connections up to 63A
- Connection of a local neutral point replica possible

KOSTAL BackUp Switch MP: Connection overview



KOSTAL BackUp Switch: Compact and rapidly deployable



KOSTAL BackUp Switch MP: Technical data

General	Unit	
Grid connection		~, 230 V, 50 Hz
Grid form public grid		TN/TT
Grid form island grid		TN-S
Changeover		manually via rotary switch
Switching type		N leading
Switching angle		90°
Handle interlock		yes, in switch position OFF
Ambient temperature (min.-max.)	°C	open: -25/50, encapsulated: -25/40
Climate resilience		moist heat, constant, according to DIN IEC 60068-2-78 moist heat, cyclical, accordance to DIN IEC 60068-2-30
Mechanical lifespan		> 6000 switching operations
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)
Width/height/depth	mm	144 x 102 x 97 (8 TE)
Weight	g	434
Legal warranty	year	2
Guidelines/certification		DIN EN IEC 60947-3, DIN EN IEC 60947-6-1, VDE-AR-E 2510-2

Power contacts	Unit	
Device class EN IEC 60947-6-1		PC
Operating voltage Ue	V AC	230
Rated insulation voltage (Ui) / degree of pollution	V AC	500 / 2 400 / 3
Surge withstand voltage (Uimp)	kV	4
Continuous current Iu/ Ith/ Ithe	A	63
Operating current Ie, AC-32	A	63
Short-circuit strength (max. fuse protection)	gL	63
Short-circuit breaking capacity Icm	kA	1,8
Short-time withstand current (1s)	A	750
Isolating property according to EN 60947	V AC	up to 400
Operating power at 50...60 Hz (2-pole), AC-23A, 230V	kW	7.5
Operating power at 50...60 Hz (2-pole), AC-32A, 230V	kW	11
Operating power at 50...60 Hz (2-pole), AC-21A, 230V	kW	15
Connection cross-section solid or stranded (min-max)	mm^2	6…16
Connection cross-section fine or multi-stranded with wire end ferrule (min-max)	mm^2	4…16
Conductor cross-section star point simulation	mm^2	10…16
American Wire Gauge	AWG	4
Tightening torque	Nm	1,8

Signal/auxiliary contacts	Unit	
Operating voltage Ue	V	30
Continuous current Iu/Ith/Ithe	A	0,1
Connection cross-section solid or stranded (min-max)	mm^2	0,2…2,5
Connection cross-section fine or stranded with ferrule (min-max)	mm^2	0,2…2,5
Tightening torque	Nm	0,5

Services around our products

You can find all further information at www.kostal-solar-electric.com

www.kostal-solar-electric.com

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