

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 U _e	V AC	230
Rated insulation voltage (U _i) / degree of pollution	V AC	500 / 2 400 / 3
Surge withstand voltage (U _{imp})	kV	4
Continuous current I _u / I _{th} / I _{the}	A	63
Operating current I _e , AC-32	A	63
Short-circuit strength (max. fuse protection)	gL	63
Short-circuit breaking capacity I _{cm}	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 U _e	V	30
Continuous current I _u /I _{th} /I _{the}	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