

Powador-protect

Grid management.



Measuring. Controlling. Protecting.

Grid and system protection

Triggering of the inverter's integrated section switches, no additional AC-side costs

Individual voltage and frequency adjustment

Minimum amount of cabling required in the meter cabinet and the sub-distribution

A ripple control receiver connection is integrated

Easy incorporation into the feed-in management without additional costs



Technical Data

Functions	Powador-protect
Monitoring Voltage 3*Ph-N	yes
Monitoring Voltage 3*Ph-Ph	yes
Monitoring of 3-phase frequency	yes
Monitoring of digital signals for remote-controlled power reduction of PV systems	yes
2 output relays to control interface switches	yes
Separated control of the output relays as a protection / backup protection concept	yes
Control of internal interface switches of compatible KACO new energy inverters	yes
Independently adjustable grid parameters for reconnection following tripping	yes
Electrical data	
Power supply	100 - 264 V AC
Rated voltage	230 V AC
Rated frequency	50 Hz / 60 Hz
Max. power consumption	2.5 W
Measurement	
Voltage	0 - 300 V
Frequency	40 – 70 Hz
Frequency measurement tolerance	< 0,1 Hz
Voltage measurement tolerance	< 1 % U _n
Actuation of external tie circuit-breaker	
Max. AC current	2.0 A
Max. AC voltage	250 V
Max. DC current	8.0 A
Max. DC voltage	30 V
Mechanical data	
Display	LCD 2 x 16 characters, LEDs
Control units	2 control buttons, 1 test button
Connection power supply	screw terminals, max. 4mm ²
Connection measurement	screw terminals, max. 4 mm ²
Connection external switches	screw terminals, max. 4 mm ²
Connection inverter	screw terminals, max. 4 mm ²
Ambient temperature	-20 °C – +70 °C
Max. installation elevation (above MSL)	2000 m
Protection class	IP20
H x W x D	89.5 x 107 x 63 mm
Weight	310 g
Certifications	
Safety	EN 61010-1, EN 61000-6-2, EN 61326-1, EN 61000-3-2 /-3
Certificates of conformity	VDE-AR-N 4105, BDEW guideline, G59/3, CEI O-21