

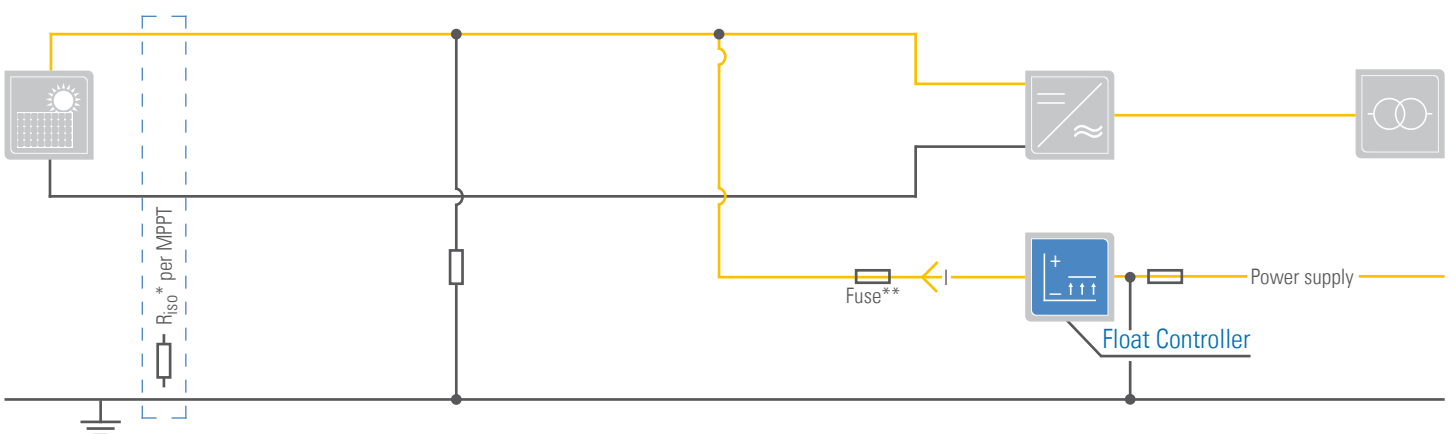


Float Controller^{SI}

Module protection

to prevent the PID effect

- Especially designed for string inverters
- Quick regeneration of PID affected modules
- Increasing PV module lifetime in ungrounded systems
- System voltage up to 1000V
- Higher plant efficiency and yield over 20 years



* Schematically shown resistance by conduction losses

** Fuses must be installed separately / can be purchased as spare parts

General Information	
Application range	String Inverter
Operating range	During periods of inverter inactivity
MPPT / device	1-3
Max. DC power per MPPT	110 kWp
Rise in potential (to ground)	≤ 1000 V _{DC}
Minimum insulation resistance of PV plant	300 kΩ
Housing	
Application	Outdoor / indoor
Material	ASA
Colour scheme	RAL 7035
Mounting	Wall mounted
Dimensions & Weight	
Housing (width/height/depth)	270/170/90 mm
Weight	Approx. 3 kg
Input parameters	
Supply voltage	24 V _{DC}
Power input	max. 4 W
Protection	1,6 A
Measurement PV-	Screw connection / screwing M16
Measurement PV+	Screw connection / screwing M16
External control	Spring terminal M16 / / screwing M16
Supply 24 V _{DC}	Screw connection / screwing M16
Output parameters	
PV+ pull up	Screw connection / screwing M16
Rated output voltage	≤ 1000 V _{DC} (adjustable in steps)
Rated output current	≤ 3,5 mA
Error message	Spring terminal M16 / screwing M16
Safety class & Environmental conditions	
Safety class according to EN 60529	IP 65
Permissible ambient temperatures	-20 °C to +50 °C
Rel. ambient humidity, non-condensing	Up to 90%
Altitude above sea level	Max. 2.000 m
Other properties	
Compatible inverter	String inverters must separate at the AC-side from the mains. String inverters without Power Boost / PV+ – earth > 0 V



IP 65

Protection class I