400V Anti-Islanding Protection Relay

POWER SYSTEM PROTECTION EQUIPMENT



This 400V Anti-Islanding Protection Relay fits small grid-connected systems of 400V low-voltage PV stations. It rapidly cuts off grid connection during islanding, isolating the station from power grid and protecting equipment and maintenance staff. Communication Mode:Optional: RS-485, CAN bus, Ethernet, IEC 60870-5-103 ,IEC 61850

KEY FEATURES

- Slip blocking function: Block output when slip exceeds preset threshold.
- Voltage check closing function: Automatic closing output permitted when normal voltage is detected.
- Two-stage reverse power protection
- Rate of change of frequency protection

TECHNICAL SPECIFICATIONS

Parameter	Specification
Rated System Voltage	400V AC (three-phase)
Rated Frequency	50Hz / 60Hz (selectable)
Voltage Input	400V AC (selectable, phase-to-phase or phase-to-neutral)
Current Input	1A or 5A (selectable)
Auxiliary Supply	110V DC / 220V DC / 220V AC (selectable)
Protection Functions	Overvoltage (59), undervoltage (27), overfrequency (81O), underfrequency (81U), ROCOF (81R), reverse power (32R), directional overcurrent (51V/67)
Trip Output	2 x Form C (changeover) relay outputs
Digital Inputs	4 (user-configurable)
Communication	RS-485 (Modbus RTU) / Optional Ethernet (Modbus TCP / IEC 61850)
Installation	Panel-mounted (144×144mm cutout)
Operating Temperature	-25°C to +70°C
Protection Degree	IP42 (front panel) / IP20 (rear enclosure)

400V DISTRIBUTED GENERATION

Application	Description
Small diesel/gas generators	Grid-connected backup or prime power generation
Distributed Energy Resources (DER)	BESS, microturbines, fuel cells requiring grid interface
Industrial captive generation	Factory-based generation with grid backup
Small-scale cogeneration	CHP systems feeding into low-voltage distribution

ORDERING INFORMATION

MOQ	LEAD TIME	TRADE TERMS	PAYMENT	WARRANTY
1 unit	7-15 working days	EXW / FOB / CIF / DDU	T/T, L/C, WU, PayPal	12 months