

SKIM600 Series

Insulation Monitoring Device



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SKIM600 Series

Insulation Monitoring Device

SKIM600 series is an insulation monitoring device for IT system main circuits and control circuits below AC690V and DC400V. SKIM600(M) can only perform insulation monitoring independently (the wiring method can only be used at the AC end) and cannot be combined with the insulation fault location. SKIM600(FL) is generally used in conjunction with the insulation fault location.



SKIM600 Features

- Applicable to IT systems main circuits and control circuits below AC690V and DC400V;
- Internal/external testing/reset buttons;
- Automatic and manual reset functions;
- Multi type, wide range control power input;
- Humanized and easy to operate interface, which can display various parameters and system leakage capacitance;
- DIN rail installation method;
- LCD screen display with backlight;
- Measure and display the insulation resistance of ungrounded systems;
- Measurement and display of leakage capacitance (C);
- Communication via Modbus RS-485;
- Adjustable response delay;
- Two independent alarm relays (each relay has a switching contact);
- N/O or N/C operation (optional).

SKIM600 Technical Data

IT System	IT System Rated Voltage	AC690V, DC400V	Switching Input	1-Channel Dry Contact Point	Built-in DC15V Power
Power Supply	Voltage	AC 85 ~ 265V (45 ~ 65Hz) DC 18 ~ 36V	Switching Output	2-Channel Relay	1 Normally Open 1 Normally Open/Close
	Rated Power	≤ 4W	Communication Protocol	RS485 1	Modbus RTU 2400~38400bps
Alarm Value	Alarm Value Ran 1	1...9999 k Ω		RS485 2	Modbus RTU 2400~38400bps
	Alarm Value Ran 2	1...9999 k Ω	Display	LCD	128*64
Response Time	at R=0.5xRan and G=1 μ F	≤ 4 s	Connecting Line	RS485	STP 0.2...2.5 mm ²
	Insulation Alarm Delay (ton)	0...9999s	General Characteristics	Test Line	0.2...2.5 mm ²
IT System	Measure Voltage(U1)	±60V		Weight	0.2KG
	Internal Resistance (R1)	≥ 152kΩ	Protection Grade	IP20	
	Impedance	≥ 152kΩ	Dimension	100 × 72 × 66mm	
	Permissible Leakage Capacitance (Ce)	≤ 200 μ F	Shell Material	PC+ABS	
	Measurement Value	1 kΩ ... 20 MΩ	Working Temperature	-20°C ~ 55°C	
	Measurement Accuracy (1...5kΩ)	± 1 kΩ	Storage Temperature	-30°C ~ 70°C	
	Measurement Accuracy (5kΩ ... 1MΩ)	± 15 %	Altitude	≤ 2000m	
Password	off/0...999 (off)	Working Condition	Insulated Resistance	AC4000V	
Fault Memory, Alarm Relay	on/off				
Filters Number	1-10				

SKIM600 Application



Mine



Port



Ship



Steel

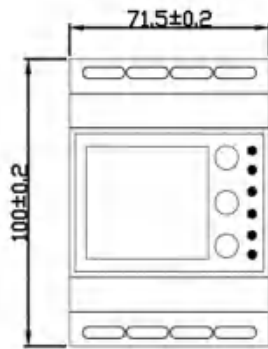


TBM



Power Generation

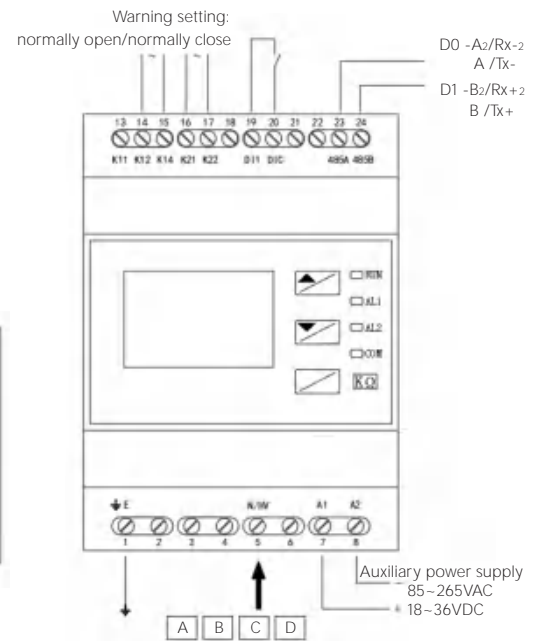
Installation Dimensions (Unit: mm)



Front



Side



Wiring Diagram

