

+For monitoring operation, it will be necessary to connect the DCU. The DCU equipped the long distance communication IEC101/IEC104/DNP3.0/Modbus to connect with SKADA system.

Specification

Measurement	AC Load current, Ground fault current
Range	AC 1A~1200A
Short-circuit Trip	Phase to Phase:1A step, 150A default
Earth-fault voltage drop	Phase to Ground:Adjustable 1% step, 30% default. Response delay: 1s step, 30s default
Line fault detection	Loaded line:The voltage suddenly drops by more than 20%, and the load current suddenly drops to 0A Unloaded line:The voltage suddenly drops by more than 50%
Frequency range	50~60Hz
Resolution	0.1A
Accuracy	0A~30A $\pm 3A$, 30A~800A $\pm 1\%$
AC converting	RMS values by the analog calculation
Withstanding voltage	AC25KA/3s
Operating circuit voltage	AC5~69kV(50/60Hz)
Operating temperature	-40~85°C
CT type	30mm or less
Power supply	Lithium battery 3.6V/ 8Ah replaceable, Online energy acquisition ($\geq 10A$ line). Battery life:Approx.10 years
Local storage	Available to continuously record load current and store 50 events for at least 7 days. Load current can be downloaded to the APP.
Blinking Frequency	30 per minute, adjustable. Flashing LED when battery lower than 3.2V
Weight	MLFI-69X:500g(1ea), DCU:3.6Kg
Size	MLFI-69X: $\phi 194 \times 95$ mm, DCU:200*300*148mm
Standard	IP67(IEC 60529:1989+AMD1:1999+AMD2:2013)/ IEEE Std 495 (2007) ETSI EN 300 328 V2.2.2 / EN 62479:2010 EN IEC 62311:2020 / EN IEC 61326-1:2021 EN 61000-4-2:2009 / EN IEC 61000-4-3:2020 EN 61010-1:2010/A1:2019/ EN 61010-2-032:2012
DCU communication	BLE5.0 : LFI(Max 9, Recommend 6ea) and APP to 1 DCU and Max 20m distance from DCU 2G/3G/4G: DCU to SCADA with AES
DCU communication Protocol	DCU to SCADA: IEC101, IEC104, DNP3.0, Modbus

Appearance

