

Specifications



Circuit Breaker Frame, UEM5L-250(MCCB)

Main

Range	UEM5L
Product Name	UEM5L
Device Short Name	UEM5L-250
Product or Component Type	Earth leakage circuit breaker
Device Application	Distribution
Poles Description	3P ⁽¹⁾ 、 4P
Rated Current [In]	100 A at 40 °C
	125 A at 40 °C
	140 A at 40 °C
	160 A at 40 °C
	180 A at 40 °C
	200 A at 40 °C
	225 A at 40 °C
	250 A at 40 °C
Rated Operational Voltage[Ue]	400 V AC
Network Type	AC
Network Frequency	50 Hz
Suitability for Isolation	Yes conforming to IEC 60947-2
Utilisation Category	Category A

Breaking Capacity	M、H
Rated Ultimate Short-Circuit Breaking Capacity [Icu]	M: 50 kA Icu at 400 V AC 50 Hz conforming to IEC 60947-2 H: 70 kA Icu at 400 V AC 50 Hz conforming to IEC 60947-2
Rated Service Short-Circuit Breaking Capacity[Ics]	M: 35 kA Ics at 400 V AC 50 Hz conforming to IEC 60947-2 H: 50 kA Ics at 400 V AC 50 Hz conforming to IEC 60947-2
Arcing Distance (mm)	≤50mm
Trip Unit Technology	Thermal-magnetic Magnetic
Control Type	Operated by handle Operated by motorized operating mechanism Operated by rotary operating mechanism
Circuit Breaker Mounting Mode	Fixed Plug-in type

Complementary

Rated Insulation Voltage [Ui]	800 V AC 50 Hz
Rated Impulse Withstand Voltage [Uimp]	8 kV
Mechanical Durability	7000 cycles
Electrical Durability	1000 cycles at 400 V In
Connection Pitch	35 mm
Instantaneous Protection	10In (For power distribution)
Pick-up Adjustment Range [Ii]	12In (For motor protection)
Electrical Accessory Types	Alarm contact Shunt release Auxiliary contact Undervoltage release
Earth-Leakage Protection Class	V/W: Class AC, VA/WA: Class A
Non-Time Delay Type	30/100/300/500mA Adjustable
Earth-Leakage Protection Sensitivity Adjustment Range[ΔIn]	

Non-Time Delay Type 0.04s

Earth-Leakage Protection Time Delay 5I
 Δn Max. Opening Time (s)

Time Delay Type 100/300/500mA Adjustable

Earth-Leakage Protection Sensitivity
 Adjustment Range[I Δn]

Time Delay Type V:0.6, 1.0, 2.0/W:0.8, 1.5, 2.5

Earth-Leakage Protection Time Delay I Δn VA:0.6, 1.0, 2.0/WA:0.8, 1.5, 2.5
 Max. Opening Time (s)

Time Delay Type V:0.1, 0.3, 0.5/W:0.2, 0.4, 1.0

Earth-Leakage Protection Time Delay VA:0.1, 0.3, 0.5/WA:0.2, 0.4, 1.0

2I Δn Max. Opening Time (s)

Width 105mm (3P) 、 140mm (4P)

Height 165mm

Depth 85mm

Net Weight 2.0kg (3P) /2.9kg (4P)

Environment

Standards EN/IEC 60947-2

Product Certifications CCC
 CB

Pollution Degree 3 conforming to IEC 60664-1

Ambient Air Temperature for Operation -25...70 °C

Ambient Air Temperature for Storage -40...70 °C

Relative Humidity 0...95 % (25°C)

Operating Altitude 0...2000 m without derating
 2000 m...4000 m with derating

Packing Units

Package	3P	4P
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Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package Height 1	16.8cm	16.8cm
Package Width 1	18.7cm	21.1cm
Package Length 1	21.1cm	22.2cm
Package Weight 1	2.5kg	3.37kg
Unit Type of Package 2	Box	
Number of Units in Package 2	8	8
Package Height 2	35.7cm	36.1cm
Package Width 2	38.5cm	43.3cm
Package Length 2	43.5cm	45.7cm
Package Weight 2	20kg	27kg

Offer Sustainability

China RoHS Regulation	China RoHS declaration
	Product out of China RoHS scope. Substance declaration for your information.

(1) Warning: three-pole is not recommended for residual current protection type. Three-pole is only used in special occasions where there is no N-phase and grounding;