

Product data sheet



Specifications



Circuit Breaker Frame, UEM5L-800(MCCB)

Main

Range	UEM5L
Product Name	UEM5L
Device Short Name	UEM5L-800
Product or Component Type	Earth leakage circuit breaker
Device Application	Distribution
Poles Description	3P ⁽¹⁾ 、 4P
Rated Current [In]	400 A at 40 °C
	500 A at 40 °C
	630 A at 40 °C
	700 A at 40 °C
	800 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: 65 kA Icu at 400 V AC 50 Hz conforming to IEC 60947-2 H: 85 kA Icu at 400 V AC 50 Hz conforming to IEC 60947-2
Rated Service Short-Circuit Breaking Capacity[Ics]	M: 50 kA Ics at 400 V AC 50 Hz conforming to IEC 60947-2 H: 65 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 Withdrawable type

Complementary

Rated Insulation Voltage [Ui]	800 V AC 50 Hz
Rated Impulse Withstand Voltage [Uimp]	8 kV
Mechanical Durability	4000 cycles
Electrical Durability	1000 cycles at 400 V In
Mounting Position	Horizontal and vertical flat on the back
Connection Pitch	44 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 100/300/500/1000mA Adjustable

Earth-Leakage Protection Sensitivity
Adjustment Range[I Δ n]

Non-Time Delay Type 0.04s

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

Time Delay Type 300/500/1000mA Adjustable

Earth-Leakage Protection Sensitivity
Adjustment Range[I Δ n]

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

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

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

Earth-Leakage Protection Time Delay 2I Δ n VA:0.2, 0.5, 1.0/WA:0.1, 0.3, 0.4
 Δ n Max. Opening Time (s)

Width 210mm (3P) 、 280mm (4P)

Height 275 mm

Depth 104 mm

Net Weight 9.7 kg (3P) /12.8 kg (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
Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package Height 1	18.5cm	18.5cm
Package Width 1	29cm	36cm
Package Length 1	48.5cm	48.5cm
Package Weight 1	10.4kg	13.55kg

Offer Sustainability

China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information.
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(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; 800A is not suitable for motor protection