

Specifications



Circuit Breaker Frame, UEM5L-100(MCCB)

Main

Range	UEM5L
Product Name	UEM5L
Device Short Name	UEM5L-100
Product or Component Type	Earth leakage circuit breaker
Device Application	Distribution
Poles Description	3P ⁽¹⁾ 、 4P
Rated Current [In]	16 A at 40 °C
	20 A at 40 °C
	25 A at 40 °C
	32 A at 40 °C
	40 A at 40 °C
	50 A at 40 °C
	63 A at 40 °C
	80 A at 40 °C
	100 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	8500 cycles
Electrical Durability	1500 cycles at 400 V In
Mounting Position	Horizontal and vertical flat on the back
Connection Pitch	30 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[I Δ n]	
Non-Time Delay Type	0.04s
Earth-Leakage Protection Time Delay 5I Δ n Max. Opening Time (s)	
Time Delay Type	100/300/500mA Adjustable
Earth-Leakage Protection Sensitivity Adjustment Range[I Δ n]	
Time Delay Type	V:0.6, 1.0, 2.0/W:0.8, 1.5, 2.5
Earth-Leakage Protection Time Delay I Δ n Max. Opening Time (s)	VA:0.6, 1.0, 2.0/WA:0.8, 1.5, 2.5
Time Delay Type	V:0.1, 0.3, 0.5/W:0.2, 0.4, 1.0
Earth-Leakage Protection Time Delay 2I Δ n Max. Opening Time (s)	VA:0.1, 0.3, 0.5/WA:0.2, 0.4, 1.0
Width	90mm (3P) 、120mm (4P)
Height	155mm
Depth	76mm
Net Weight	1.6kg (3P) /2.5kg (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	15.6cm	15.6cm
Package Width 1	17.2cm	20.1cm
Package Length 1	20.1cm	20.2cm
Package Weight 1	1.95kg	2.89kg
Unit Type of Package 2	Box	
Number of Units in Package 2	8	8
Package Height 2	33.3cm	33.3cm
Package Width 2	35.5cm	41.3cm
Package Length 2	41.5cm	41.7cm
Package Weight 2	15.6kg	23kg

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;