

## Specifications



## Circuit Breaker Frame, UEM5L-400(MCCB)

### Main

Range	UEM5L
Product Name	UEM5L
Device Short Name	UEM5L-630
Product or Component Type	Earth leakage circuit breaker
Device Application	Distribution
Poles Description	3P <sup>(1)</sup> 、 4P
Rated Current [In]	400 A at 40 °C 500 A at 40 °C 630 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: 50 kA Ics at 400 V AC 50 Hz conforming to IEC 60947-2
	H: 70 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[ $\Delta n$ ]	

Non-Time Delay Type	0.04s
Earth-Leakage Protection Time Delay	$5I_{\Delta n}$
Max. Opening Time (s)	
Time Delay Type	300/500/1000mA Adjustable
Earth-Leakage Protection Sensitivity Adjustment Range[ $I_{\Delta n}$ ]	
Time Delay Type	V:0.8, 2.0, 2.5/W:0.6, 1.0, 1.5
Earth-Leakage Protection Time Delay	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	VA:0.2, 0.5, 1.0/WA:0.1, 0.3, 0.4
Max. Opening Time (s)	$2I_{\Delta n}$
Width	140mm (3P) 、 184mm (4P)
Height	257 mm
Depth	97 mm
Net Weight	7.5 kg (3P) /9.6 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	22cm	26.5cm
Package Length 1	37.8cm	37.8cm
Package Weight 1	8.2kg	10.35kg
Unit Type of Package 2	Box	
Number of Units in Package 2	2	2
Package Height 2	19.5cm	19.5cm
Package Width 2	38.5cm	38.5cm
Package Length 2	45.5cm	54.5cm
Package Weight 2	16.4kg	20.7kg

## 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; 630A is not suitable for motor protection