

Specifications



Circuit Breaker Frame, UEM5-100(MCCB)

Main

Range	UEM5
Product Name	UEM5
Device Short Name	UEM5-100
Product or Component Type	Circuit breaker
Device Application	Distribution
Poles Description	3P、 4P
Rated Current [In]	16A at 40 °C
	20A at 40 °C
	25A at 40 °C
	32A at 40 °C
	40A at 40 °C
	50A at 40 °C
	63A at 40 °C
	80A at 40 °C
	100A at 40 °C
Rated Operational Voltage[Ue]	400 V AC
Network Type	AC
Network Frequency	50Hz
Suitability for Isolation	Yes conforming to IEC 60947-2
Utilisation Category	Category A
Breaking Capacity	L、 M、 H

Rated Ultimate Short-Circuit Breaking Capacity [Icu]	L: Icu=35kA Icu at 400 V AC 50 Hz conforming to IEC 60947-2 M: Icu=50kA Icu at 400 V AC 50 Hz conforming to IEC 60947-2 H: Icu=70kA Icu at 400 V AC 50 Hz conforming to IEC 60947-2、
Rated Service Short-Circuit Breaking Capacity[Ics]	L: Ics=25kA Ics at 400V AC 50Hz conforming to IEC 60947-2 M: Ics=50kA Ics at 400V AC 50Hz conforming to IEC 60947-2 H: Ics=50kA Ics at 400V AC 50Hz 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	30mm
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
Width	90mm (3P) /120mm (4P)
Height	155mm
Depth	62mm (L) , 76mm (M、H)
Net Weight	L: 1.3kg (3P) /1.9kg (4P) ; M、H: 1.6kg (3P) /2.5kg (4P)

Environment

Standards	EN/IEC 60947
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 L	3P M	4P L	4P M
Unit Type of Package 1	PCE			
Number of Units in Package 1	1			
Package Height 1	9.7cm	15.6cm	14.2cm	15.6cm
Package Width 1	9.6cm	17.2cm	20.1cm	20.1cm
Package Length 1	16cm	20.1cm	20.2cm	20.2cm
Package Weight 1	1.42kg	1.95kg	2.28kg	2.89kg
Unit Type of Package 2	Box			
Number of Units in Package 2	12	8	8	8
Package Height 2	22.9cm	33.3cm	30.5cm	33.3cm
Package Width 2	32.9cm	35.5cm	41.3cm	41.3cm
Package Length 2	35.7cm	41.5cm	41.7cm	41.7cm
Package Weight 2	17kg	15.6kg	18.3kg	23kg
Offer Sustainability				

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