

## Specifications



## UEM5DC -250 MCCB

### Main

Range	UEM5
Product Name	DC MCCB
Device Short Name	UEM5DC-250
Product or Component Type	Circuit breaker
Device Application	DC distribution systems such as new energy, DC energy storage, power system, rail transit and electric tram.
Poles Description	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 Operating Voltage [Ue]	750V DC、1000V DC、1200V DC
Network type	DC
Suitability for isolation	Yes conforming to IEC 60947-2
Utilization Category	Category A
Rated ultimate short-circuit breaking capacity [Icu]	50 kA Icu at 750 V DC conforming to IEC 60947-2 40 kA Icu at 1000 V DC conforming to IEC 60947-2 10 kA Icu at 1200 V DC conforming to IEC 60947-2

Rated service short-circuit breaking capacity[Ics]	50 kA Ics at 750 V DC conforming to IEC 60947-2
	20 kA Ics at 1000 V DC conforming to IEC 60947-2
	7.5 kA Ics at 1200 V DC conforming to IEC 60947-2

Arcing distance (mm)	≤50mm
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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
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### Complementary

Rated insulation voltage [Ui]	1500 V DC conforming to IEC 60947-2
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Rated impulse withstand voltage [Uimp]	8 kV conforming to IEC 60947-2
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Mechanical durability	10000cycles
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Electrical durability	5000 cycles at 1200 V In
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Mounting position	Horizontal and vertical flat on the back
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Connection pitch	35 mm
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Instantaneous protection pick-up adjustment range [Ii]	10In
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Electrical accessory types	Alarm contact
	Shunt release
	Auxiliary contact

Width	140mm
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Height	165 mm
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Depth	85 mm
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Net Weight	2.7kg
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### Environment

Standards	EN/IEC 60947-2
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Product certifications	CCC
	CB

Pollution degree	3 conforming to IEC 60664-1
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Ambient air temperature for operation	-25...70 °C
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Ambient air temperature for storage	-40...70 °C
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Relative humidity	0...95 % (25°C)
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Operating altitude	0...2000 m without derating 2000 m...4000 m with derating
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## Offer Sustainability

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