

Specifications



Circuit Breaker Frame, UEM5Z3-250

Main

Range	UEM5Z3
Product Name	UEM5Z3
Device Short Name	UEM5Z3-250
Product or Component Type	Circuit breaker
Device Application	Distribution
Poles Description	3P、 4P
Rated Current [In]	250 A at 40 °C
Rated Operational Voltage[Ue]	400 V AC 50 Hz
Network Type	AC
Network Frequency	50 Hz
Suitability for Isolation	Yes conforming to EN/IEC 60947-2
Utilisation Category	Category A
Breaking Capacity	L
Rated Ultimate Short-Circuit Breaking Capacity [Icu]	L: 35kA Icu at 400 V AC 50 Hz conforming to IEC 60947-2
Rated Service Short-Circuit Breaking Capacity[Ics]	L: 25 kA Ics at 400 V AC 50 Hz conforming to IEC 60947-2
Arcing Distance (mm)	≤50mm
Trip Unit Technology	Electronic
Trip Unit Protection Functions	LCD (overload long time delay + short circuit short time delay + short circuit instantaneous + pre-alarm protection)
Control Type	Operated by handle

Operated by motorized operating mechanism

Circuit Breaker Mounting Mode Fixed Plug-in type

Complementary

Rated Insulation Voltage [Ui] 800 V AC 50Hz

Rated Impulse Withstand Voltage [Uimp] 8 kV

Mechanical Durability 7000 cycles

Electrical Durability 1000 cycles at 400 V In

Mounting Position Horizontal and vertical flat on the back

Connection Pitch 35 mm

Long-Time Pick-up Adjustment
Type Ir (thermal protection) Adjustable

Long-Time Protection Pick-up 40A, 50A, 63A, 70A, 80A, 90A, 100A (In=100A)

Adjustment Range [Ir] 100A, 125A, 140A, 160A, 180A, 200A, 225A, 250A (In=100A)

Long-Time Protection Delay Adjustable

Adjustment Type tr

Long-Time Protection Delay 12s, 36s, 60s, 80s, 100s, OFF

Adjustment Range [tr]

Instantaneous Protection Pickup Adjustable

Adjustment Type li

Instantaneous Protection
Pick-up Adjustment Range [li] (3, 4, 5, 6, 7, 8, 9, 10, 11, 12) xlr, OFF

Short-Time Protection Pick-up Adjustable

Adjustment Type Isd

Short-Time Protection Pick-up
Adjustment Range [Isd] (2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12) xlr, OFF

Adjustment Range [Isd]

Short-Time Protection Delay Adjustable

Adjustment Type tsd

Short-Time Protection Delay 0.1s, 0.2s, 0.3s

Adjustment Range [tsd]

Pre-Alarm Protection Pick-up (0.4~1) xlr

Adjustment Range [Ip]

Electrical Accessory Types
Alarm contact
Shunt release
Auxiliary contact
Motor-operated mechanism

Width 105mm (3P) , 140mm (4P)

Height	165 mm
Depth	101 mm
Net Weight	2.1 kg (3P) /2.5 kg (4P)

Environment

Standards	EN/IEC 60947
Product Certifications	CCC CB UKCA CE
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

Unit Type of Package	PCE	
Number of Units in Package 1	1	
Package Height 1	16.8cm	16.8cm
Package Width 1	18.7cm	21.1cm
Package Length 1	21.1cm	22.2cm
Package Weight 1	2.5kg	3.37kg
Unit Type of Package 2	BB1	
Number of Units in Package 2	8	8
Package Height 2	35.7cm	36.1cm
Package Width 2	38.5cm	43.3cm
Package Length 2	43.5cm	45.7cm
Package Weight 2	20kg	27kg

Offer Sustainability

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