

## Specifications



## UEZ3L-63 Smart MCB

### Main

Range	UEZ3
Product Name	Residual current action protection smart small circuit breaker
Product or Component Type	Circuit-breaker
Product Model	UEZL3-63
Poles Description	1P+N、3P+N
Product Application	Power distribution protection
Rated Current [In]	6A...63A
Network Type	AC
Trip Unit Technology	M: electromagnetic and electronic C: thermo-magnetic R-P: thermo-magnetic Y-P: thermo-magnetic C10-P: thermo-magnetic
Curve Code	C/D
Residual Current Sensitivity [I $\Delta$ n]	B: 30mA H: 50mA C: 100mA D: 300mA
Action Type	The action function is related to the power supply voltage
Residual Current Type	A/AC
Breaking Capacity	I <sub>cs</sub> =I <sub>cn</sub> =6kA

Function

structure function		M	C	R-P	Y-P	C10-P
Power Supply	External power supply	DC12V	DC12V			
	built-in power supply			√	√	√
Protection Function	Short circuit protection	√	√	√	√	√
	Overload protection	√	√	√	√	√
	Overload setting current protection	√				
	Overvoltage and undervoltage auto reclosing	√		√	√	√
Local reclosing function		√ (default off)		√		√
Control Functions	Remote control function	√	√			√
	Dry contact control					√
Metering function	Current metering	√				
	Voltage measurement (power, electricity)	√				
	Leakage measurement	√				
Alarm, fault analysis, fault record		√				
Timing		√				
Cost control function		√				
Communication function	RS485	√	√			√
Life monitoring		√				

## Complementary

Network Frequency	50Hz
Rated Operational Voltage [Ue]	1P+N: 230 V AC 50Hz 3P+N: 400 V AC 50Hz
Magnetic Tripping Limit	C: 5...10 x In, D: 10...20 x In
Rated Insulation Voltage [Ui]	500 V
Rated Impulse Withstand Voltage [Uimp]	4kV
Contact Position Indicator	Yes
Mounting Support	DIN rail
Height	71mm
Width	1P: 35.6mm 1P+N: 53.2mm 3P: 70.8mm 3P+N: 88.4mm
Depth	1P+N: 90mm 3P+N: 130mm
Net Weight	1P+N: 295 g 3P+N: 713 g
Mechanical Durability	10000 cycles
Electrical Durability	6000 cycles (power factor 0.85...0.9)
Connections - Terminals	Top connection 1.0 mm <sup>2</sup> ...35 mm <sup>2</sup>
Wire Stripping Length	15 mm
Tightening Torque	3.5 N.m

## Environment

Standards	GB/T 16917.1 GB/T 16917.22 IEC61009-1 IEC61009-2-2
Product Certification	CCC, CQC, CE, CB, UKCA
IP Degree of Protection	IP20
Pollution Degree	2
EMC Degree	3
Relative Humidity	Annual average: <75%, 30 days (these days are naturally distributed throughout the year): 95%; Accidental appearance on other days: 85%
Ambient Air Temperature for Operation	-25...70 °C (monthly average temperature ≤35°C)
Ambient Air Temperature for Storage	-40...80 °C
Working Altitude	not exceeding 2000m

## Packaging Unit

	1P+N	3P+N
Unit Type of Package 1	BB1	BB1

Number of Units in Package 1	4	2
Package Height 1	8.2cm	8.2cm
Package Width 1	10.0cm	10.0cm
Package Length 1	22.0cm	22.0cm
Package Weight 1	1.2kg	1.2kg
Unit Type of Package 2	BAR	BAR
Number of Units in Package 2	48	24
Package Height 2	24.8cm	24.8cm
Package Width 2	22.3cm	22.3cm
Package Length 2	40.5cm	40.5cm
Package Weight 2	14.6kg	14.6kg

## Offer Sustainability

EU RoHS Directive	Compliant EU RoHS Declaration
Mercury Free	Yes
China RoHS Regulation	Yes
Products Outside the Scope of ROHS Control in China	Yes
RoHS Exemption Information	Yes

## Contractual warranty

Warranty	18 months
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