

## Specifications



## UEZ3-63 Smart MCB

### Main

Range	UEZ3																																		
Product name	Smart miniature circuit-breaker																																		
Product or component type	Circuit-breaker																																		
Product model	UEZ3-63																																		
Poles description	<table><tr><th><div>Poles</div><div>Range</div></th><th>1P</th><th>1P+N</th><th>3P</th><th>3P+N</th></tr><tr><td>M</td><td>√</td><td>√</td><td>√</td><td>√</td></tr><tr><td>C</td><td>√</td><td>√</td><td>√</td><td>√</td></tr><tr><td>R-P</td><td></td><td>√</td><td></td><td>√</td></tr><tr><td>Y-P</td><td></td><td>√</td><td></td><td>√</td></tr><tr><td>C10-P</td><td></td><td>√</td><td></td><td>√</td></tr></table>					<div>Poles</div> <div>Range</div>	1P	1P+N	3P	3P+N	M	√	√	√	√	C	√	√	√	√	R-P		√		√	Y-P		√		√	C10-P		√		√
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C10-P		√		√																															
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																																		
Breaking capacity	Ics=Icn=6kA																																		

function

structure		M	C	R-P	Y-P	C10-P
function						
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)	√				
Alarm, fault analysis, fault record		√				
Timing		√				
Cost control function		√				
Communication function	RS485	√	√			√
Life monitoring		√				

## Complementary

Network frequency	50Hz
rated operational voltage [Ue]	1P: 230/400 V AC 50Hz 1P+N: 230 V AC 50Hz

	3P/3P+N: 400 V AC 50Hz
Magnetic tripping limit	C: 5...10 x I <sub>n</sub> , D: 10...20 x I <sub>n</sub>
Rated insulation voltage [U <sub>i</sub> ]	500 V
Rated impulse withstand voltage [U <sub>imp</sub> ]	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	90mm
Net weight	1P: 192 g 1P+N: 265 g 3P: 455 g 3P+N: 532 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/T10963.1 IEC 61543 IEC 60898-1
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	1P+N	3P	3P+N
Unit type of package 1	BB1	BB1	BB1	BB1
Number of Units in Package 1	6	4	3	2
Package height 1	8.2cm	8.2cm	8.2cm	8.2cm
Package width 1	10.0cm	10.0cm	10.0cm	10.0cm
Package length 1	22.0cm	22.0cm	22.0cm	22.0cm

Package weight 1	1.2kg	1.2kg	1.5kg	1.2kg
Unit type of package 2	BAR	BAR	BAR	BAR
Number of Units in Package 2	72	48	36	24
Package height 2	24.8cm	24.8cm	24.8cm	24.8cm
Package width 2	22.3cm	22.3cm	22.3cm	22.3cm
Package length 2	40.5cm	40.5cm	40.5cm	40.5cm
Package weight 2	15.5kg	14.6kg	18.1kg	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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