

Specifications



UEZ3-125 Smart MCB

Main

Range	UEZ3				
Product Name	Smart miniature circuit-breaker				
Product or Component Type	Circuit-breaker				
Product Model	UEZ3-125				
Poles Description	2P、3P、4P				
Product Application	Power distribution protection				
Rated Current [In]	63A...100A				
Network Type	AC				
Trip Unit Technology	M: electromagnetic and electronic				
Curve Code	C				
Breaking Capacity	Ics=Icn=6kA				
Function	structure		2P	3P	4P
	function				
	Power Supply	External power supply	DC12V	DC12V	DC12V
	Protection Function	Short circuit protection	√	√	√
		Overload protection	√	√	√
		Overload setting current protection	√	√	√
Overvoltage and undervoltage auto reclosing		√		√	
Control	Remote control	√	√	√	

Functions	function			
Metering function	Current metering	√	√	√
	Voltage measurement (power, electricity)	√	√(conjunction)	√
Alarm, fault analysis, fault record		√	√	√
Timing		√	√	√
Cost control function		√		√
Communication function	RS485	√	√	√
Life monitoring		√	√	√

Complementary

Network Frequency	50Hz
Rated Operational Voltage [Ue]	1P: 230 V AC 50Hz 3P: 400 V AC 50Hz 4P: 400 V AC 50Hz
Magnetic Tripping Limit	7...15 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	2P: 53.2mm 3P: 70.8mm 4P: 88.4mm
Depth	90mm
Net Weight	2P: 275 g 3P: 455 g 4P: 600 g
Mechanical Durability	10000 cycles
Electrical Durability	6000 cycles(In=63A); 4000 cycles (In=80A、 100A) (power factor 0.85...0.9)
Connections - Terminals	Top connection 1.0 mm ² ...35 mm ²
Wire Stripping Length	15 mm
Tightening Torque	3.5 N.m

Environment

Standards	GB/T10963.1 NB/T 42149
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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

	2P	3P	4P
Unit Type of Package 1	BB1	BB1	BB1
Number of Units in Package 1	6	4	3
Package Height 1	8.2cm	8.2cm	8.2cm
Package Width 1	10.0cm	10.0cm	10.0cm
Package Length 1	22.0cm	22.0cm	22.0cm
Package Weight 1	1.2kg	1.5kg	1.3kg
Unit Type of Package 2	BAR	BAR	BAR
Number of Units in Package 2	72	36	24
Package Height 2	24.8cm	24.8cm	24.8cm
Package Width 2	22.3cm	22.3cm	22.3cm
Package Length 2	40.5cm	40.5cm	40.5cm
Package Weight 2	15.5kg	18kg	16.2kg

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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