

# Product data sheet



## Specifications



## UEZ3D-125 Smart MCB

### Main

Range	UEZ3
Product Name	Smart miniature circuit-breaker
Product or Component Type	Circuit-breaker
Product Model	UEZ3D-125
Poles Description	1P
Product Application	Power distribution protection
Rated Current [In]	6A...100A
Network Type	DC
Trip Unit Technology	Electromagnetic and electronic
Curve Code	C
Breaking Capacity	Icn=10kA Ics=7.5kA

Function		1P
Power Supply		External power supply DC12V
Protection Function		Short circuit protection
		Overload protection
		Overload setting current protection
		Overvoltage and undervoltage auto reclosing
Control functions		Remote control function
Metering function		Current metering
		Voltage measurement (power, electricity)
Alarm, fault analysis, fault record		√
Timing		√

Cost control function	√
Communication function	RS485
Life monitoring	√

## Complementary

rated operational voltage [Ue]	65 V DC
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	35.6mm
Depth	90mm
Net Weight	193 g
Mechanical Durability	10000 cycles
Electrical Durability	6000 cycles(In=63A); 4000 cycles (In=80A, 100A)
Connections - Terminals	Top connection 1.0 mm <sup>2</sup> ...35 mm <sup>2</sup> ( With overvoltage and undervoltage protection, without self recovery function) Bottom connection 1.0 mm <sup>2</sup> ...35 mm <sup>2</sup> (With overvoltage and undervoltage protection; with self recovery function)
Wire Stripping Length	15 mm
Tightening Torque	3.5 N.m

## Environment

Standards	GB/T 10963.2 IEC 60898-2
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

Unit Type of Package 1	BB1
Number of Units in Package 1	6

Package Height 1	8.2cm
Package Width 1	10.0cm
Package Length 1	22.0cm
Package Weight 1	1.2kg
Unit Type of Package 2	BAR
Number of Units in Package 2	72
Package Height 2	24.8cm
Package Width 2	22.3cm
Package Length 2	40.5cm
Package Weight 2	15.5kg

### **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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