

Product data sheet



Specifications



UEZ3-40 Smart MCB

Main

Range	UEZ3					
Product Name	Smart miniature circuit-breaker					
Product or Component Type	Circuit-breaker					
Product Model	UEZ3-40					
Poles Description	1P、1P+N					
Product Application	Power distribution protection					
Neutral Wire Position	Offside					
Rated Current [In]	10A、16A、20A、25A、32A、40A					
Network Type	AC					
Trip Unit Technology	Electromagnetic and electronic					
Curve Code	C					
Breaking Capacity	Ics=Icn=4.5kA					
Function	<div>structure</div> <div>function</div>		1P-M	1P-M-N	1PN-M	1PN-M-L
			Power Supply	External power supply	DC12V	DC12V
	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	√	√	√	√

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]	230 V AC 50Hz	
Magnetic Tripping Limit	5...10 x I _n	
Rated Insulation Voltage [Ui]	500 V	
Rated Impulse Withstand Voltage [Uimp]	4kV	
Contact Position Indicator	Yes	
Mounting Support	DIN rail	
Height	71mm	
Width	18mm	
Depth	90mm	
Net Weight	1P-M: 104 g	1P-M-N: 107 g
	1PN-M: 112 g	1P-M-L: 115 g
Mechanical Durability	10000 cycles	
Electrical Durability	6000 cycles (power factor 0.85...0.9)	
Connections - Terminals	Top connection 1.0 mm ² ...16 mm ²	
Wire Stripping Length	11 mm	
Tightening Torque	1.2 N.m	

Environment

Standards	GB/T10963.1 IEC 60898-1 NB/T42149
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	11
Package Height 1	8.2cm
Package Width 1	10.0cm
Package Length 1	22.0cm
Package Weight 1	1.3kg
Unit Type of Package 2	BAR
Number of Units in Package 2	132
Package Height 2	24.8 cm
Package Width 2	22.3 cm
Package Length 2	40.5cm
Package Weight 2	16.4 kg

Offer Sustainability

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

Contractual warranty

Warranty	18 months
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