

**1. Mandatory Technical Criteria**

Submit the completed and signed deviation schedule:

- ***ECOU Deviation Schedule for Informal Tenders\_rev1\_2019,***

Specifically referencing **D-DT 3083, SAP 0165294, CB, Mini 50A 230V 5kA Pole Top Box**, stating if there are any deviations to the specified requirements.

If the product is fully compliant, then state “No Deviations” on the Deviation Schedule.

Ensure the OEM product code is stated.

Evaluation requirement: If this document is not submitted, the tenderer will be disqualified at this stage.

**2. Objective Technical Criteria**

The following documents shall be submitted:

2.1. Completed Technical Schedules (complete “Schedule B” column)

The bidder is required to submit all the information required and the document must be correctly completed. Any gaps (blanks), TBA, and similar remarks will render the document incomplete.

2.2. Manufacturer's Drawings showing dimensions and markings

2.3. Verification schedule of test reports

2.4. The following Test Reports:

- Visual examination (SANS 61284)
- Dimensional and material verification (SANS 61284)
- Tripping curves showing upper and lower limits of the breaker's tripping characteristic (SANS 60947-1/2, 240-130277632)
- Discrimination with a 20A standard curve for a prospective fault current of up to 1000A (SANS 60947-1/2, 240-130277632)
- Rupturing Capacity of 5kA (SANS 60947-1/2, 240-130277632)
- SABS permit to apply SABS mark (VC 8036, 240-130277632)

Evaluation requirement: 100% compliance

Technical Schedules A and B for CB, MINI 50A 230V 5kA POLE TOP BOX				
Schedule A: Purchasers specific requirements				
Schedule B: Guarantees and technical particulars of equipment offered				
1	2		3	4
Item	Description		Schedule A	Schedule B
<b>1</b>	<b>Product Information</b>			
<b>1.1</b>	• <b>Purchasing details</b>			
1.1.1	Eskom SAP No		0165294	xxxxxxxxxx
1.1.2	Manufacturer's Name		xxxxxxxxxx	
1.1.3	Manufacturer's Product Code		xxxxxxxxxx	
1.1.4	Manufacturer's Drawing number & Revision number		xxxxxxxxxx	
1.1.5	Manufacturer's Physical identification mark on product		xxxxxxxxxx	
1.1.6	Compliance to all dimensions and requirements of Eskom Buyer's Guide drawing	D-DT 3083	YES	
1.1.7	Item sample required, upon request from Eskom. (As per the Technical Criteria Document)		IF REQUESTED	xxxxxxxxxx
<b>1.2</b>	• <b>Mechanical Properties - DDT 3083</b>			
1.2.1	Mounting method of MCB		DIN	
1.2.2	Maximum Height		100 mm	
1.2.3	Maximum Width		20 mm	
1.2.4	Maximum Depth		70 mm	
1.2.5	2mm Wire connected to side of toggle of MCB (Wire will be connected to an actuation mechanism in the Pole Top Box, to be operated from ground level using a link stick)		YES	
<b>1.3</b>	• <b>Electrical Properties - DDT 3083, SANS60947-1/2</b>			
1.3.1	Rated Voltage		230 V	
1.3.2	Rated Current		50 A	
1.3.3	Number of Poles		1	
1.3.4	Usable as a disconnector		YES	
1.3.5	Operating Mechanism		Thermal / Hydraulic magnetic	
1.3.6	Temperature Rating		40° C	
1.3.7	Time Delay Curve		Special Curve D / Curve 1	
1.3.8	Rated interrupting Capacity at 240V AC		5kA	
1.3.8	Instantaneous trip at 14-18 Rated Current		YES	
1.3.9	Non-Tripping current	A	1.05 x Rated Current	
1.3.10	Conventional Tripping Current	A	1.3 x Rated Current	
1.3.11	Conventional Tripping Time for 50A and 63A		1 Hour	
1.3.12	Maximum Tripping time at 2 x Rated Current		100 seconds	
<b>2</b>	<b>Documentation (to be submitted with tender)</b>			
	<b>Note: All documentation to be provided in electronic format.</b>			
<b>2.1</b>	• <b>General</b>			
2.1.1	Outline drawings of item	Sets	1	
<b>2.2</b>	• <b>Test Reports</b>		<b>Required</b>	<b>Report Number</b>
2.2.1	Visual examination (SANS 61284 clause 7)	Test Report Submitted	YES	
2.2.2	Dimensional & material verification (SANS 61284 clause 8 & D-DT-3083)	Test Report Submitted	YES	
	Tripping Curves showing upper and lower limits of the breaker's tripping characteristic (SANS 60947-1/2, 240-130277632)	Test Report Submitted	YES	
2.2.3	Discrimination with a 20A standard curve for a prospective fault current of up to 1000A (SANS 60947-1/2, 240-130277632)	Test Report Submitted	YES	
2.2.3	Rupturing Capacity of 5kA (SANS 60947-1/2, 240-130277632)	Test Report Submitted	YES	
2.2.4	SABS permit to apply SABS mark (VC 8036, 240-130277632)	Certificate	YES	
<b>3</b>	<b>Marking - SANS 60947-2, to be concurred with the Visual Examination, 2.2.1.</b>			
3.1	Manufacturers name or trademark		YES	
3.2	Voltage Rating		YES	
3.3	Current Rating		YES	
3.4	Suitable for isolation symbol		YES	
3.5	Limiting non-actuating time		YES	
3.6	Value or range of rated frequency		YES	
3.7	Line and Load Terminals		YES	
3.8	IEC 60947-2		YES	
3.9	SABS Mark		YES	
<b>NOTE: DEVIATION SCHEDULE CONTINUE ON NEXT PAGE.</b> <b>IF NO DEVIATIONS ARE MENTIONED ON THE DEVIATION SCHEDULE IT WILL BE ACCEPTED THAT THE SUPPLIER AND MANUFACTURER FULLY COMPLIES WITH THE REQUIREMENTS OF THE ESKOM SPECIFICATION(S).</b>				
<b>SUPPLIER SIGNATURES</b>				
Name (Print)			Company Name	
Sign			Date	