

3 PHASE CONTACTOR AND FUSES				
File Ref				
Creation Date	2011-04-28		Last Edit Date	5 October 2022
Doc No. & Version	9684-v2	Author	BRR -Eng	Page 1 of 4



ANNEXURE A


3 PHASE CONTACTOR AND PROTECTIVE FUSES

Table of Contents.

1. Scope.
2. Definitions.
3. Scope of Supply.
4. Requirements
5. Terms and conditions
6. Guarantee.

1 SCOPE.

- 1.2 This specification covers PRASA TECHNICAL requirements applicable for the supply of simulating high tension switches.

3 PHASE CONTACTOR AND FUSES					
File Ref					
Creation Date	2011-04-28		Last Edit Date	5 October 2022	
Doc No. & Version	9684-v2	Author	BRR -Eng	Page 2 of 4	

2 DEFINITIONS.

2.1 PRASA: Passenger Rail Agency of South Africa.

3 SCOPE OF SUPPLY.

3.1 The purpose of this specification is to provide guidance to compliance and requirements to be guaranteed and adhered to for sourcing, supplying, designing, manufacturing, refurbishment, quality and standards required.


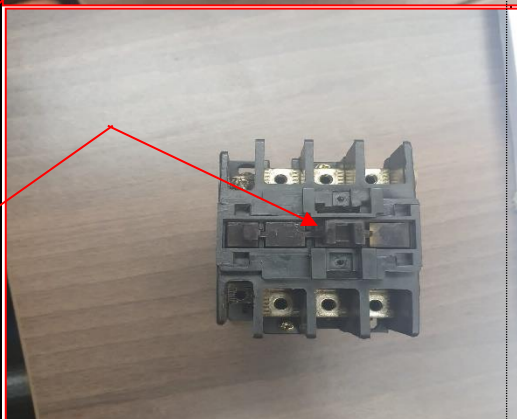
3.2 The service and/or product supplied must comply and not only limited to requirements as outlined herewith.


4 REQUIREMENT.


4.1 APPLICATIONS.

The 3 phase contactor plays a role in the control circuit of an electrical testing bench and the fuses are designated to protect the test bench during the fault occurrence.

4.2 TECHNICAL SPECIFICATION/DESCRIPTIONS

ITEM NAME AND MODEL	DIMENSIONS	DECRPTIONS	ITEMS PICTURES
1. 3 Phase contactor model C-35D01.	Its dimensions are 40mmx48mm or 40mmx50/60mm.	It is a contactor that its coil is energized with a typical voltage of 380V at a frequency of 50/60Hz, maximum current to sustain is 42A and can dissipate power rate of 15 kilo-watts at the above mentioned supply voltage. The top picture indicates the top view of the item and the bottom shows the front view of it.	 

3 PHASE CONTACTOR AND FUSES					 prasa PASSENGER RAIL AGENCY OF SOUTH AFRICA
File Ref					
Creation Date	2011-04-28		Last Edit Date	5 October 2022	
Doc No. & Version	9684-v2	Author	BRR -Eng	Page 3 of 4	

<p>2. The following are the two various ceramic fuse model which are RT14 and Ferraz.</p>	<p>(i) RT14 fuse have a 10mm diameter and 38mm long and (ii) Ferraz fuse version have a 10mm diameter and is 38mm long.</p>	<p>RT14 model can withstand a current capacity of 2A at 500V rating and disconnect the any circuit in which it is connected under overload condition by melting thereby providing protection. It can handle a rated fault or short circuit current of up to 50kA.</p> <p>Ferraz fuse rating 6A have short circuit rating of 120kA at 500V.</p>	
-------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------

5. SPECIFIC TERMS AND CONDITION

5.1 DEFINITION: PRASA QUALITY ASSURANCE (QA)

A sub section within PRASA that is responsible for assessments of quality, quality systems and to verify the quality of incoming components.

5.2 SPECIAL TERMS AND CONDITIONS

5.2.1 Suppliers must comply with the attached RTS-SPC-0035 Specification for the supply high tension switch simulation equipment.

5.2.2 Samples available at Braamfontein Metrorail depot for viewing

6 GUARANTEE AND INHERENT DEFECTS.

3 PHASE CONTACTOR AND FUSES				
File Ref				
Creation Date	2011-04-28		Last Edit Date	5 October 2022
Doc No. & Version	9684-v2	Author	BRR -Eng	Page 4 of 4



- 6.1 Until such time as the guarantee of the device has expired, i.e. 1 year, the Supplier shall be entirely responsible for design and manufacturing defects occurring within this period.
- 6.2 The Supplier shall guarantee that any failure/defects of the 3 phase contactor and protective fuses (within 10 (ten) working days, from the date of being notified of the defect.

END OF DOCUMENT