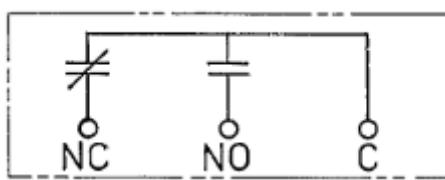


TD-106 - 2 Rev. No. : 00	Form No. : 	PRODUCT STANDARD HYDERABAD GT ENGINEERING	Prod. Std. No. : GT51157 Rev. No. 04 Page : 01 of 03
<u>SWITCH LIMIT</u>			
<p>1.0 DESCRIPTION</p> <p>This ordering sheet applies to an explosion proof limit switch to be used in Gas turbine Control Systems.</p> <p>2.0 APPLICABLE DOCUMENTS</p> <p>2.1 The following documents of the issue in effect on the date of invitation for bids or requests for proposal form a part of this drawing to the extent specified herein.</p> <p>2.1.1 National Electrical Code, NFPA, #70 per the National Fire Protection Association, 470 Atlantic Avenue, Boston, Massachusetts 02210.</p> <p>3.0 SPECIFICATION</p> <p>3.1 The device shall meet the requirements of the National Electrical Code for operation in a hazardous environment per Class I, Group D, and Division I. Certification by either Factory mutual or under writer laboratories is required to demonstrate compliance with the hazardous environment requirement.</p> <p>3.2 Basic Switch: Single Pole, Double Throw.</p> <p>3.3 Rating : 15 AMPS @ 125, 250 or 480 VAC 0.5 AMPS @ 125 VDC 0.25 AMPS @ 250 VDC</p> <p>3.4 Temperature: 120°C continuous</p> <p>3.5 Electrical contact arrangement:</p> 			
<p>4.0 EXCEPTIONS TO SPECIFICATIONS – N/A</p> <p>5.0 SPECIAL INSTRUCTIONS</p> <p>5.1 <u>Quality Assurance</u></p> <p>All material will be delivered in a clean and usable condition. Openings will be securely covered against entry of foreign material where appropriate.</p> <p>5.2 <u>Marking and packing for Shipment</u></p> <p>5.2.1 Packing shall be accomplished in accordance with acceptable commercial practices (for domestic or foreign shipments) unless otherwise indicated in the purchase order or quotation request.</p> <p>5.2.2 All shipping containers shall be identified with customer order number, BHEL purchase number, BHEL Material Code Number, Drawing number and Part number and the vendor packing list and shipping numbers, reference numbers. Each shipping container shall contain three packing lists, listing all contents of the particular container with one copy attached in a secure manner to the outside. Each part will be identified and keyed to the packing list.</p>			
Ref. Doc 277A2560			

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		<p>5.3 Equipment supplied shall be identified by name plate or other suitable product marking which shall show the hazardous location classification, glass and group letter designations, and the underwriting authority.</p> <p>5.4 Outline drawing – see drg 205B2783.</p> <p>5.5 Vendor Type Test certificates and guarantee certificates to be provided along with the material.</p>																									
COPYRIGHT AND CONFIDENTIAL The information on this document is the property of BHARAT HEAVY ELECTRICALS LIMITED. It must not be used directly or indirectly in any way detrimental to the interest of the company.		<p>6.0 DATA REQUIREMENTS</p> <p>6.1 All manufacturing drawings and document requirements for this design shall be ordered by the purchase order.</p> <p>6.2 The manufacturer shall make no changes to approved drg's without the approval of the procuring activity of the BHEL Gas Turbine division. The approval of drawings in no way relieves the manufacturer for meeting the requirements of the specification, ordering drawings, or outline drawings.</p> <p>6.3 Those documents required for approval prior to the start of manufacture shall be so indicated by an asterisk(*)</p> <p>6.4 The following list indicates the required drawings and documents to be furnished by the supplier.</p>																									
REF. NO. Ref. Doc 277A2560		<table border="1"> <tr> <td>Arrangement Drawing</td> <td>Recommended Spare & Renewal</td> </tr> <tr> <td>Outline Drawing</td> <td>Field Assembly Drawings</td> </tr> <tr> <td>Assembly Drawing</td> <td>Detail Part Drawing</td> </tr> <tr> <td>Detail Assembly Drawing</td> <td>Purchased Part Drawing</td> </tr> <tr> <td>Electrical Schematic / Elementary</td> <td>Parts Lists</td> </tr> <tr> <td>Connection Diagram</td> <td>Modification Drawings</td> </tr> <tr> <td>Interconnection Diagram</td> <td>Process Specifications</td> </tr> <tr> <td>Piping Diagram</td> <td>Wiring Diagram</td> </tr> <tr> <td>Piping Schematic</td> <td>Piping Interconnection Diagram</td> </tr> <tr> <td>Installation Drawings</td> <td>Construction Drawing</td> </tr> <tr> <td>Equipment Publications</td> <td>AS-Installed Drawings</td> </tr> <tr> <td>Instruction Manual</td> <td>Loose Parts List & Assembly Instr.</td> </tr> </table> <p>6.5 Documentation to substantiate approval of the device or equipment by underwriters laboratories or Factory mutual as suitable for hazardous environment Class 1, Group D, Division 1.</p>	Arrangement Drawing	Recommended Spare & Renewal	Outline Drawing	Field Assembly Drawings	Assembly Drawing	Detail Part Drawing	Detail Assembly Drawing	Purchased Part Drawing	Electrical Schematic / Elementary	Parts Lists	Connection Diagram	Modification Drawings	Interconnection Diagram	Process Specifications	Piping Diagram	Wiring Diagram	Piping Schematic	Piping Interconnection Diagram	Installation Drawings	Construction Drawing	Equipment Publications	AS-Installed Drawings	Instruction Manual	Loose Parts List & Assembly Instr.	
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