

Annexure PI: 240770055 Rev00

Purchase specification for DC FIELD CIRCUIT BREAKER (BAR MOUNTED CONTACTOR):

Item-1 Qty. 6 nos.

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| Current rating | : 630A DC |
| Duty class | : DC duty |
| Voltage rating | : 550V DC |
| No of poles | : 2NO (main) + 1NC (rupturing) |
| Open circuit transient time constant | : 2.45 sec |
| Coil voltage | : 110V DC |
| Overall limiting dimension | : 500(L)*350(H)*400 (D) |
| No of aux contacts | : 2NO+2NC |
| Application | : Excitation control of synchronous machine i.e. rupturing pole should close first while breaker opening and rupturing pole will open later while breaker closing. Vendor to specify main pole and rupturing overlap time in both cases i.e. opening & closing |
| Standard applicable | : ANSI IEEE C 37.18-1979 AND C37.16-1988 |
| Acceptance criteria | : Internal test report of OEM meeting requirement |
| Packing instruction | : Vendor to pack breaker in wooden box with 4-point fixing using nuts & bolts on wooden batten |
| Test certificate | : 1/ 3 Copies of routine test certificates will be supplied alongwith consignment 2/ 1 copy of type test certificate conforming to ANSI IEEE C37.18-1979 AND C37.16-1988 alongwith offer. |

Item-2 Qty. 2 nos.

Spare Moving Contacts for Item-1.

Item-3 Qty. 2 nos.

Spare Fixed Contacts for Item-1.

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Item-4 Qty. 6 nos.

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|--------------------------------------|--|
| Current rating | : 1250A DC |
| Duty class | : DC duty |
| Voltage rating | : 550V DC |
| No of poles | : 2NO (main) + 1NC (rupturing) |
| Open circuit transient time constant | : 2.45 sec |
| Coil voltage | : 220V DC |
| Overall limiting dimension | : 500(L)*350(H)*400 (D) |
| No of aux contacts | : 2NO+2NC |
| Application | : Excitation control of synchronous machine i.e. rupturing pole should close first while breaker opening and rupturing pole will open later while breaker closing. Vendor to specify main pole and rupturing overlap time in both cases i.e. opening & closing |
| Standard applicable | : ANSI IEEE C 37.18-1979 AND C37.16-1988 |
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