



PRODUCT STANDARD
SWITCHGEAR ENGINEERING DIVISION

SG12435 REV.01

PAGE 1 OF 2

TECHNICAL SPECIFICATION OF BREAKER SWITCH ASSEMBLY

1.0 APPLICATION

This assembly is to operate the Limit Switches effectively during the Breaker open and closed condition.

2.0 ITEMS :-

Please refer to diagram.1,

ITEM 001: 3 numbers Limit Switches: 2 NO + 2 NC to Product Standard SG12754 and Style Code: BP9049259391.

Terminal marking: 1,2,5,6 N.C. 3,4,7,8 N.O.

ITEM 002: Mounting Plate. Drg No. 25215001636- Item 001.

ITEM 003: Flap. Drg No. 35215001835- Item 001 and 002.

ITEM 004: Steel Pin. Drg No. 45095001609- Item 001.

ITEM 005: 2 numbers Circlips.

The assembly drawing is 35212001943-V00, and Style Code BP 9089124454.

2.1 ACCEPTANCE CRITERIA:

Item 001: Limit Switches

- (i) Visual inspections for damage – free push movement of rod and proper operation. The contacts should be made upon the permissible movement of the plunger.
- (i) The permissible movement of plunger is minimum of 7 mm. Tolerance in movement of the plunger is +1 mm.
- (ii) Verification of contact arrangement in both Pressed and Un-pressed condition of plunger.
- (iii) Verification of terminal marking.
- (iv) Availability of P.F. test report for the lot.
- (v) Switch shall be with plastic cover for insulation.
- (vi) The make/model of the limit switch must be Essen Deinki 2NO+2NC, Model LSO22C, 10A at 500V AC.

Item 002 and Item 003: Mounting Plate and Flap

- (i) The angles after bending should be maintained. The necessary angles are indicated in the drawing as CTQ.
- (ii) The dimensions should be maintained.

Item 004:Steel Pin.

- (i) The steel bar should be of the required length as indicated in the drawing.
- (ii) Any deviations should be in the tolerance zone as indicated in the drawing.

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 interest of Co.

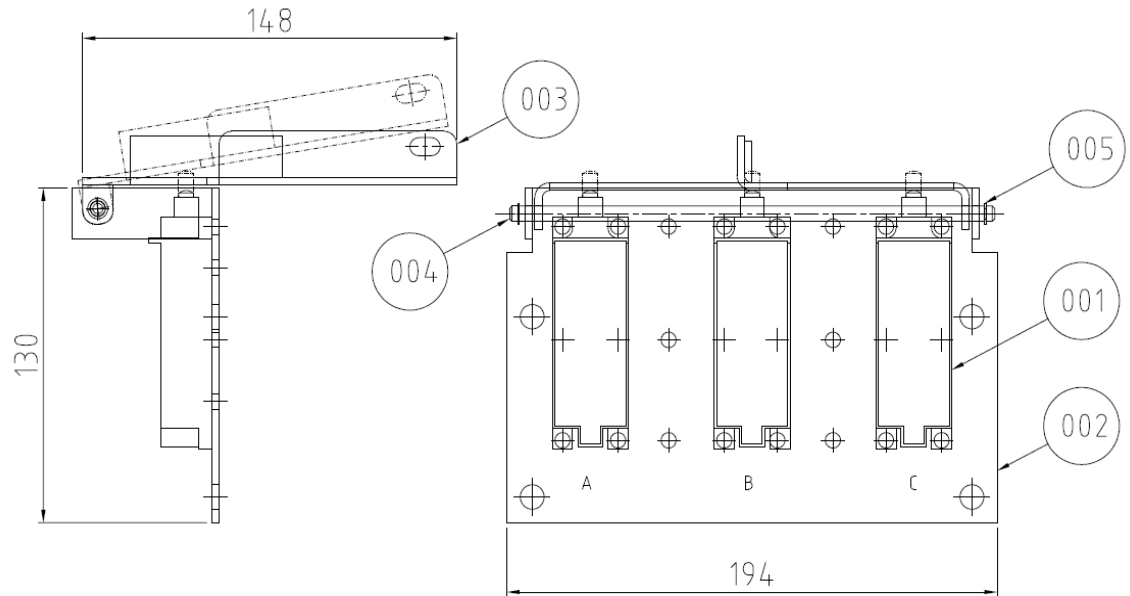
REV.	01	PRINTS TO:-		APPROVED –		
ALTD.	RG	SWM (PLNG)	1	HRP		
APPD.	HRP			QCX (SCR)	1	PREPARED
DATE.	08.12.12	RPD	1	RG		APS
		O/C	1			



For Assembly:

- (i) All contacts of Switch should operate properly (i.e. 1,2,5,6 (Open) ; 3,4,7,8 (Closed)) when the Flap (Item 003) is in pressed condition.
- (ii) All contacts of switch should operate properly (i.e. 1,2,5,6 (Closed); 3,4,7,8 (Open)) when the Flap (Item 003) is in Free condition.
- (iii) The assembly should be able to withstand H.V. Test in both pressed and open condition of Limit Switches.

Diagram.1.



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 interest of Co.