

Product News

No.25

08E

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Notice of Shape Change of Differential Transformer for Spool Position Detection

The external shape of the Differential Transformer (LVDT) for spool position detection installed in the Linear Servo Valve and the High Response Type Proportional Electro-hydraulic Directional and Flow Control Valves has been partially changed for the purpose of replacement and productivity improvement due to the discontinuation of production of the material for the sensor body. This change does not affect the performance of the differential transformer body and the mounted valve.

There is no change in the performance of the mounted valve.

Reason for Change

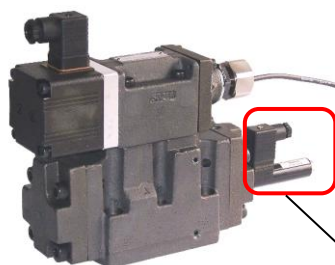
The epoxy resin used as the molding material for the differential transformer body has been discontinued by the raw material manufacturer. Therefore, the material will be changed to that of an alternative manufacturer; however, there will be no change to the chemical composition (CAS number) of the epoxy resin.

In addition, a portion of the external shape has been changed in order to improve productivity in conjunction with the molding material change.

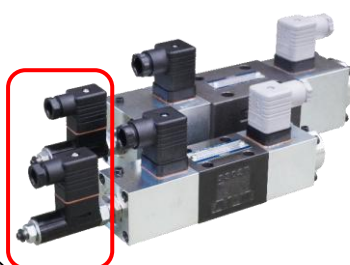
Applicable Models

Name	Model No.
Power Amplifiers for Flow Control and Relief Valves (Proportional Electro-Hydraulic Flow Control and Relief Valve)	ELFBG-03
Direct Operated and High Response Type Proportional Electro-Hydraulic Directional and Flow Control Valves	ELDFG-01/03
High Response Type Proportional Electro-Hydraulic Directional and Flow Control Valves (Two Stage Type)	ELDFHG-04/06
Two Stage Type High Speed Linear Servo Valves	LSVHG-04/06/10

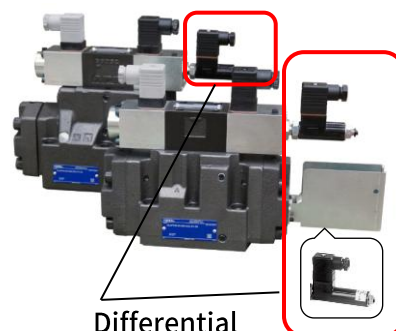
LSVHG-04/06/10



ELDFG-01/03



ELDFHG-04/06



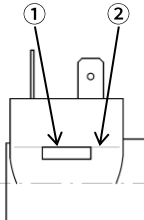
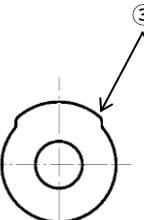
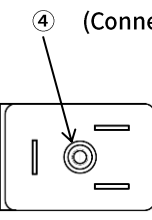
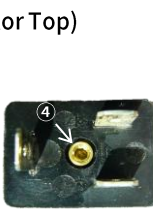
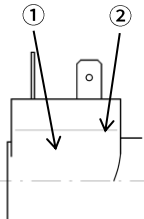
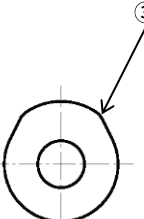
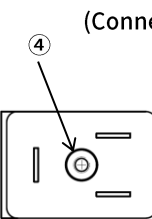
Differential
Transformer

Differential
Transformer

■Details of Changes

Changes to the external shape of the Differential Transformer are as follows:
There are no changes in the specifications, characteristics, and external dimensions of the mounted valve.

- ① Change in the shape of the side groove
- ② Change in the position of the interface between the connector and molding resin
- ③ Change in the shape of the body (increased curvature)
- ④ Change in the shape of the insert nut

Appearance	Figure	Photograph	Figure	Photograph	Figure	Photograph
Old Shape						
↓						
New Shape						

■Switching Period

Switching will be carried out sequentially after stock ends.

Please note that both old and new versions may coexist during the transition period.