

To All Customers

Rep No.B21057

January 12, 2022

Fuji Electric FA Components
& Systems Co., Ltd.

Notification regarding Change in Insulation Barrier Materials for High-Voltage Air Load Break Switches

We would like to thank you for your continued patronage of Fuji products.

We will be changing some products as described below.

Please review the following information and take action as appropriate.

Please also inform all related sections of your company of these changes.

Product name	Insulation barrier for high-voltage air load break switches
Series name	LBS Series
Type	SP-4D
Changed parts	Insulation barrier
Details of the change	<p>The insulation barrier material will be changed back to the previous material. *This change will correspond with the conventional material described in the notification regarding change in barrier material announced in Rep. No. B20047 in March 2021.</p> <p>See Attachment 1 for details.</p>
Reason for change	Due to difficulty in procuring the current materials
Date of change	Scheduled for products to be produced from March 2022
Attachment	Attachment 1: Change in Insulation Barrier Materials for High-Voltage Air Load Break Switches
Notes concerning the changes	This change does not have any effect on product performance, mounting dimensions, and workability.



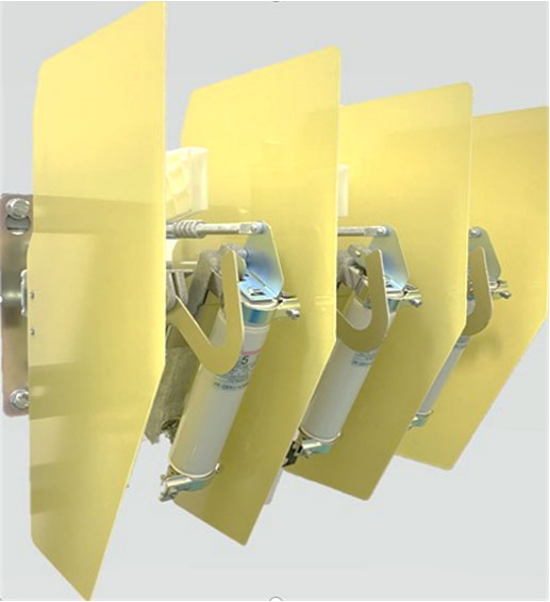

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Attachment 1
 Change in Insulation Barrier Materials for
 High-Voltage Air Load Break Switches

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[Details of the change]


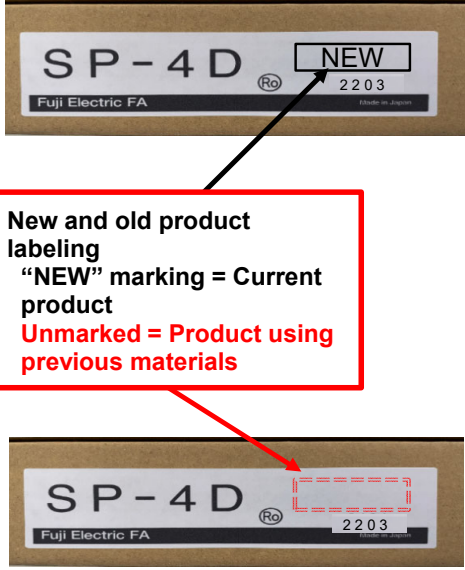
(1) Change in insulation barrier materials

Current product	Changed product
<p>External appearance</p>  <p>Material: Epoxy glass laminate Color: Yellow-green</p>	<p>External appearance</p>  <p>Material: Paper-based phenol resin laminate Color: Brown</p>
<p>Appearance of mounting on high-voltage air load break switch</p>	
	

Attachment 1
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[Details of the change]
 (2) How to differentiate new and old products

Packing box	Packing label
 <p data-bbox="285 907 596 969">Packing label on the side of the packing box</p>	 <p data-bbox="863 768 1240 965"> New and old product labeling “NEW” marking = Current product Unmarked = Product using previous materials </p>

◆ Comparison of Insulation Barrier Materials for High-Voltage Air Load Break Switches

• Type: SP-4D

• Comparison of material properties

The material properties of the changed and conventional products are shown in the table below.

Item			Changed product	Current product
Material			Paper-based phenol resin laminate	Epoxy glass laminate
Board thickness		mm	2	1.5
Specific gravity			1.36	(1.45)
Water absorption rate	Note 2	%	(1.2)	(0.1)
Insulation resistance	Normal conditions	MΩ	(2.6×10^5)	(7.1×10^8)
Volume specific resistance	Normal conditions	MΩ · cm	(3.9×10^6)	(1.4×10^{10})
Bending strength		MPa	180	420

Note 1: Values in parentheses () are from our survey and are for reference only. If there are no parentheses, the values are the same as those indicated in the catalog.

Note 2: The values are based on a constant temperature and humidity test.

Note 3: Insulation barriers are designed to prevent accidents caused by contact with small animals.

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	DATE	NAME	APPROVED	Fuji Electric FA Components & Systems Co., Ltd.	/
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CHECKED					
REVISION				DRW.NO.	FIN 88 70 47
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