

To All Customers

Rep No. B18014

June 11, 2018

Fuji Electric FA Components &  
Systems Co., Ltd.

## Notification regarding Change in the Mechanical Part Grease of Vacuum Magnetic Contactors

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 appropriate actions.

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

Product name	Vacuum magnetic contactor
Series name	HN46A Series
Type	HN46A□-O* □ = Installation method Fixed type (P, J, V, K) Draw-out cradle type (X, H, Y, U, R, W) O = Rated operational current (2:200 A, 4:400 A) * = Operation method (S: Constant excitation type; L: Latch type) *Includes other applicable products.
Changed parts	1) Mechanical part grease; 2) Maintenance and inspection oil; 3) Warning label nameplate
Details of the change	1) The grease used in mechanical parts will be changed from LT-1 to GPL214. This change will extend the lubrication cycle under normal conditions from 3 years to 6 years. 2) The maintenance and inspection oil described in applicable instruction manuals will be changed. 3) A description of the specific maintenance and inspection oil will be added to the warning label on the front cover. For details, see the attachment.
Reason for change	To extend the lubrication cycle under normal conditions from 3 years to 6 years.
Date of the production change	Scheduled for products to be produced from December 2018
Attachment	Details concerning the Change in the Mechanical Part Grease of Vacuum Magnetic Contactors
Notes concerning the changes	1) This change will not affect product performance. 2) The maintenance and inspection cycle under normal conditions will be the same as before: 1 year for the first inspection and 3 years for general inspections. 3) The maintenance and inspection oils Krytox GPL214 and FSO Fluorinated Oil 105 will be sold separately, so please place orders accordingly. 4) The maintenance and inspection oil of conventional products cannot be used in changed products, and vice versa. *See Table 2 of the Attachment for details.

## Attachment

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# Details concerning the Change in the Mechanical Part Grease of Vacuum Magnetic Contactors

## 1. Details of the Change

### 1.1 Change in mechanical part grease and lubrication cycle

#### 1.1.1 Comparison of new and old grease

Current product	Changed product
Name: LT-1 Base oil: Mixed oil (mineral oil and synthetic oil) Manufacturer: Daizo Corporation	Name: Krytox GPL214 Base oil: Fluorinated oil Manufacturer: DuPont

#### 1.1.2 Comparison of new and old lubrication cycle

Current product	Changed product
3 years	6 years

\*1 This will be the lubrication cycle under normal conditions. The lubrication cycle is 2 to 4 years under harsh conditions such as environments susceptible to dew condensation, dust, and salt damage.

### 1.2 Comparison of new and old maintenance and inspection oils

Current product	Changed product
Applied oil: Grease LT-1 Daizo Corporation Lubricate parts where grease cannot be applied with "Shell Tellus S2 V 32" or "Paste Spray". Shell Tellus S2 V 32 Showa Shell Sekiyu K.K. Paste Spray (molybdenum disulfide lubricant) Daizo Corporation	Specified oil Fluorinated Grease: Krytox GPL214 DuPont Fluorinated oil: FSO Fluorinated Oil 105(Spray type) Wako Chemical, Ltd. Lubricate parts where fluorinated grease cannot be applied with fluorinated oil. The following oils can be used as fluorinated oils: •Krytox GPL104 DuPont (liquid) •Krytox GPL105 DuPont (liquid)

\*2 There are no changes in the lubrication locations and application method.

### 1.3 Comparison of new and old warning label

	Current product	Changed product
Draw-out cradle type nameplate		
Fixed type nameplate		

<Example of nameplate attachment position>

Warning label



Example of draw-out cradle type

## 2. Differences in Maintenance and Inspection Oil Types due to This Change

	Warning label nameplate "Use of fluorinated oil" description	Maintenance and inspection oil	
		LT-1 Shell Tellus S2 V 32 Paste Spray	Krytox GPL214 FSO Fluorinated Oil 105 Krytox GPL104 Krytox GPL105
Current product	No	✓	X
Changed product	Yes	X	✓

\*3 Do not lubricate with unspecified oils. Otherwise, this could result in equipment failure and related secondary accidents.