



Submission/Distribution <b>Customer</b>		<b>Contact Form</b>		Control number <b>8UCGZ-0015-2①</b>	
Issue date <b>23-May-2023</b>	Issue Section 2 <sup>nd</sup> Production Department QC	Title Model: Rotary Encoder REC(W)/RES(W)20D series Reinforcement adhesive for rotor press-fit part and shaft shape change		Approve 	Check 
Document classification instruction					

Thank you very much for your continued patronage.  
 Rotary encoder "REC(W) / RES(W) 20D series total 13 models"  
 We will submit a letter regarding the reinforcement adhesive for the rotor press-fit part and the shaft shape change (internal knurled part). Thank you for your confirmation.

### 1. Change subject

Rotary encoder REC(W)/RES(W) 20D series  
 Reinforcing adhesive for rotor press-fit and shaft shape change (internal knurled part)

### 2. Change model

Rotary encoder REC (W)/RES (W) 20D series 13 models in total

No.	Model	No.	Model
1	REC20D-25-201-1	8	RES20D-50-201-1
2	REC20D-50-201-1	9	RES20D50-201-1G
3	RECW20D-25-201-1	10	RES20D50-201-1L
4	RECW20D-25-201-1D	11	RESW20D-25-201-1
5	RECW20D-50-201-1	12	RESW20D-50-201-1
6	RES20D-25-201-1	13	RESW20D-50-201-1B
7	RES20D-25-201-1C		

### 3. Change plan production

Desired from 1-Oct-2023 production(※Running change)

### 4. Change reason

Reinforcement adhesive for rotor press-fit and shaft shape change (improved workability)

### 5. Change details

classification	Item	Before change	After change
adhesion	adhesive	Cemedine EP-330(2 liquid)	ThreeBond TB3056F(2 liquid) UV curable resin with moisture hardening properties
Shaft	Press-fit part	Knurled part: flat	Knurling part: twill

### 6. Evaluation results

After the change, we have confirmed that the amount of shaft pull-out force is equal to or greater than the current one.

In addition, the reliability test of the modified product also satisfies the conditions described in the product specifications

Classification	Control number	Judgement
Performance evaluation report	8UCBF-0035-2	Passed
Reliability test report	8UCED-0127-2	Passed

The evaluation was carried out on a representative model.

※Details of model selection, prototype model, and evaluation method were decided at an internal meeting.