

To All Customers

Rep No. B16002

April 19, 2016

Fuji Electric FA Components
& Systems Co., Ltd.

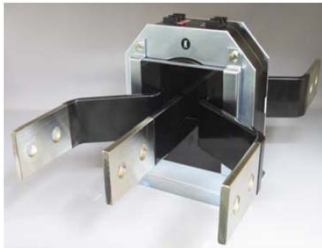

Zero-phase current transformer for F-MPC application Notification of geometry change in EW Series

Thank you for your continued patronage of Fuji products.

We are writing to announce the changes we will be making in some products. Details are described below.

Please review the following information.

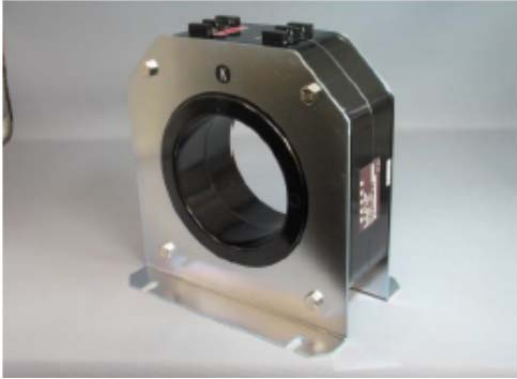

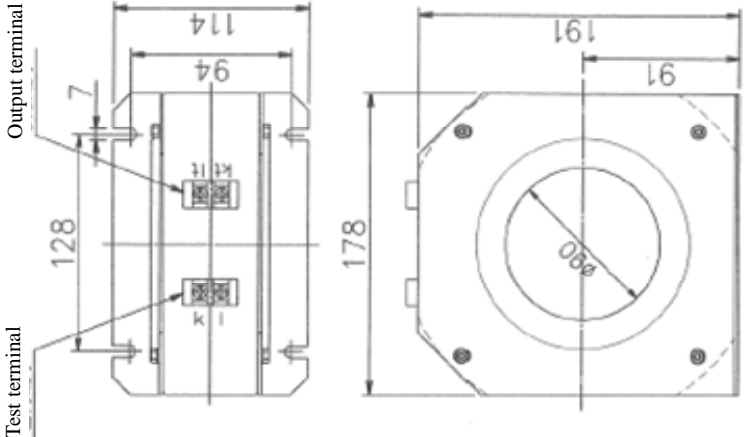
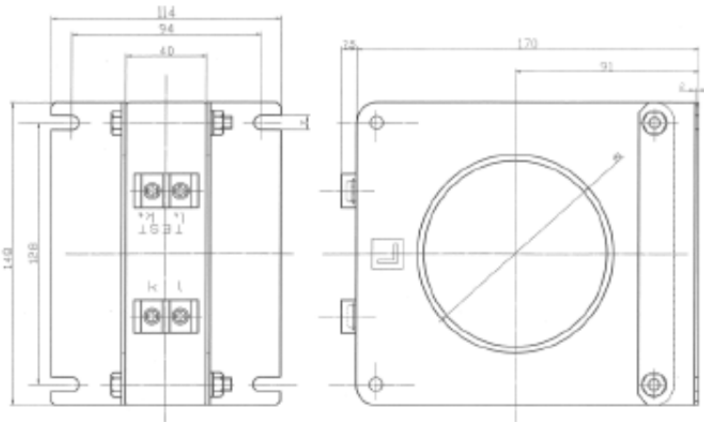
Please inform all related sections of your company.

Product name	Zero-phase current transformer for F-MPC application
Series and series name	EW series
Type	EW-Z90, EW-Z3B60, EW-Z3B80, EW-Z3B100, EW-Z4B40, EW-Z4B50, EW-Z4B60, EW-Z4B80
Changed parts	Case material and dimension of geometry for ZCT section
Details of the change	<p>Material is changed to epoxy mold resin from phenol resin. Geometry is also changed. See Attachments for details. (The example photograph shows EW-Z3B80)</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>Before change</p>  </div> <div style="text-align: center;"> <p>After change</p>  </div> </div>
Reason for change	To improve productivity.
Date of production change	Immediately
Attachment	Zero-phase current transformer Comparison Table
Notes concerning the change	<p>There is no change related to performance, characteristics or wiring of the product as a result of this change.</p> <p>(It involves a partial change to the external appearance.)</p>

Zero-phase current transformer EW-Z90 Type for low-voltage application: Table for comparison before and after the change

Type	EW-Z90		Remarks
	【Product before change】	【Product after change】	
Core material	Permalloy (iron-nickel alloy)	←	
Inner perimeter and side shields	Available	←	
Secondary coil	1,000 windings	←	
Rated frequency	50/60 Hz	←	
Rated voltage	AC600 V or lower	←	
Rated current	600 A / 800 A / 1,000 A	←	
Characteristic standard	JIS C 8374 Residual current sensing and relaying equipment	←	
Dielectric strength	AC 2,200 V/1 min (secondary coil terminal bracket and fixing thread of attachment of exterior case, etc.)	←	
Operating temperature range	-20°C to 60°C	←	
Compatibility	Compatible with our residual current sensing and relaying equipment	←	
ZCT case	Phenol resin	Epoxy mold resin	Both are thermosetting resin
Outer dimension (mm)	Based on P2/5	Based on P2/5	Compatibility in terms of attachment is available

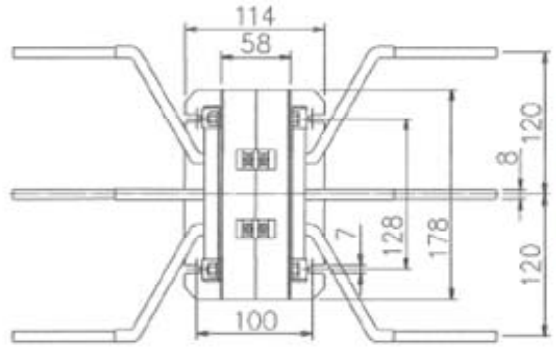
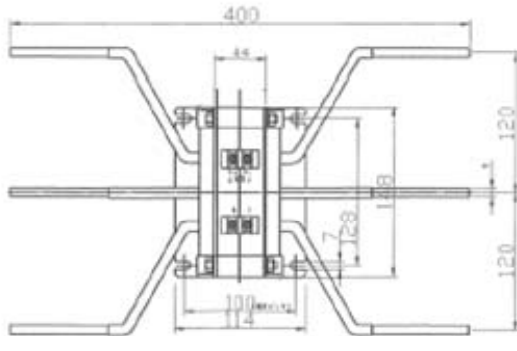
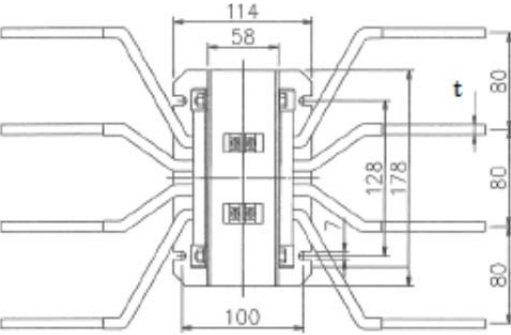
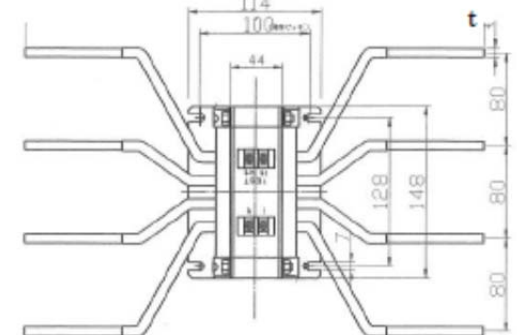
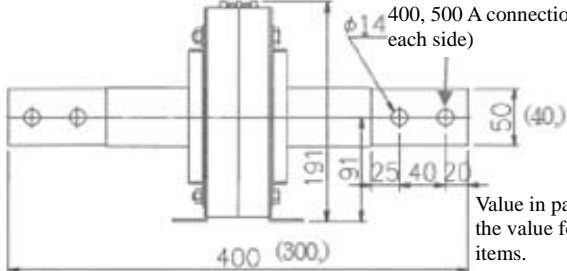
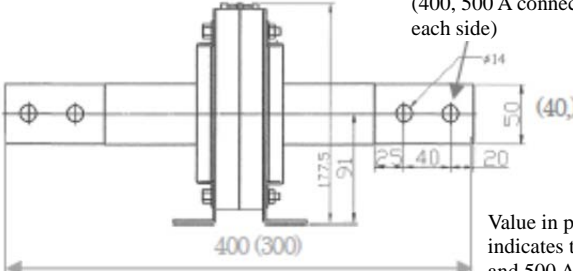
☆The product after change is totally compatible with the product before change in terms of characteristics, outer size, pitch for attachment and so forth.

Type	EW-Z90	
	【Product before change】	【Product after change】
Photograph showing appearance		
Dimension drawing		

Zero-phase current transformer EW-Z3B60,80,100, EW-Z4B40,50,60 and 80 Types with copper belt for low-voltage application:
Table for comparison before and after the change

Type	EW-Z3B60,80,100, EW-Z4B40,50,60,80		Remarks
	【Product before change】	【Product after change】	
Core material	Permalloy (iron-nickel alloy)	←	
Inner perimeter and side shields	Available	←	
Secondary coil	1,000 windings	←	
Rated frequency	50/60 Hz	←	
Rated voltage	AC600 V or lower	←	
Rated current	3 phases: 600 A / 800 A / 1,000 A 4 phases: 400 A / 500 A / 600 A / 800 A	←	
Characteristic standard	JIS C 8374 Residual current sensing and relaying equipment	←	
Dielectric strength	AC 2,200 V/1 min (secondary coil terminal bracket and fixing thread of attachment of exterior case, etc.)	←	
Operating temperature range	-20°C to 60°C	←	
Compatibility	Compatible with our residual current sensing and relaying equipment	←	
ZCT case	Phenol resin	Epoxy mold resin	Both are thermosetting resin
Outer dimension (mm)	Based on P4/5	Based on P4/5	Compatibility in terms of attachment is available

☆ This product after change is totally compatible with the product before change in terms of characteristics, outer size, pitch for attachment, copper belt size, copper belt connection position and so forth.

Type	EW-Z3B60,80,100, EW-Z4B40, 50, 60 and 80	
	Product before change	Product after change
3-pole	 <p>t dimension 600 A: 6 mm 800 A: 8 mm 1,000 A: 12 mm 400 A: 5 mm 500 A: 6 mm</p>	 <p>t dimension 600 A: 6 mm 800 A: 8 mm 1,000 A: 12 mm 400 A: 5 mm 500 A: 6 mm</p>
4-pole		
Side-view (Common for 3-pole and 4-pole)	 <p>400, 500 A connection hole, one on each side</p> <p>Value in parentheses indicates the value for 400 and 500 A items.</p>	 <p>(400, 500 A connection hole, one on each side)</p> <p>Value in parentheses indicates the value for 400 and 500 A items.</p>

		EW-Z3B60,80 and 100	
		【Product before change】	【Product after change】
<p>photograph showing appearance (example)</p>	 <p>The example photograph shows EW-Z3B80</p>	 <p>The example photograph shows EW-Z3B80</p>	