Current transformers, CC2

■ Description

Designed for even easier handling. Line-up consists of two types; models exclusively used for FUJI power monitoring unit (F-MPC 04 series), and models for general-purpose instrumentation.

- Improved design enables easier mounting.
- Large K→L display allows easier identification of primary conductor direction.
- Hook attached makes it easier to secure the primary conductor with a cable-tie.
- Clamping diode built in CT will not burn out even with the secondary circuit open (except for the CC2D81).

CC2D

CC2B

■ Specifications

Description	Compact split		Square split		Toroidal	
Type	**CC2D81-0057**	**CC2D81-0506**	**CC2D65-2008**	**CC2D54-4009**	**CC2B65-2008**	**CC2B54-4009**
Used with	**F-MPC04 (UM01 type), F-MPC04S (UM03 type) F-MPC04P (UM02 type)**		**F-MPC04S (UM03 type) F-MPC04P (UM02 type)**			
Rated primary current: In	5A	50A	200A	400A	200A	400A
Linear output limit	Based on the instrumentation range					
Rated secondary current	7.34mA	73.4mA	66.67mA	133.33mA	66.67mA	133.33mA
Sensor hole diameter	ø10		ø24	ø36	ø24	ø36
Rated frequency	50-60Hz					
Overcurrent resistance	40 In/1.0s	10 In/1.0s	40 In/1.0s		40 In/1.0s	
Ratio error	±1%/In, ±1.5%/0.2In					
Phase difference	150' ±90' /In, 180' ±120' /0.2In		±60' /In, ±90' /0.2In		±60' /In, ±90' /0.2In	
Rated burden	0.2693mVA (load res. 5Ω)	26.93mVA (load res. 5Ω)	44.4mVA (load res. 10Ω)	0.18VA (load res. 10Ω)	44.4mVA (load res. 10Ω)	0.18VA (load res. 10Ω)
Insulation resistance	100MΩ or more at 500V DC megger, between sensor core and output					
Dielectric strength	2000V AC/1min, between sensor core and output				2500V AC/1min, between sensor core and output	
Output protection	—		±3Vp, built-in clamping diode		—	
Operating condition	–20 to 75°C 80%RH max. No condensation					
Split portion securing method	Clamp		Clamp		—	
Mounting	Hanger		Hanger			
Connection	Heat-resistant IV cable AWG22 1000mm supplied		Heat-resistant IV cable AWG18 x 1000mm supplied		PVC cable ø0.18mm 12-core 1000mm supplied	M3 screw terminal
Mass	45g		200g	300g	60g	180g

Note: If an existing general-purpose CT (***/5A) has been installed, connect the CC2D81-0057 to the secondary circuit of the existing one.

The combination CTs are CTs dedicated to F-MPC. The general-purpose CTs (rated secondary current 5A or 1A) can not be directly connected to F-MPC. Damage may result.
Combination CT for F-MPC04P (UM02 type) and F-MPC04S (UM03 type)

■ Ordering information

Specify the following:
1. Type number

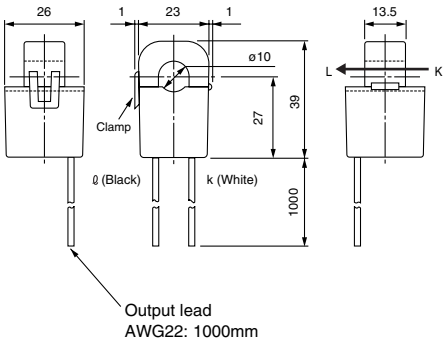
■ Specifications

Description	Square split			Toroidal split	
					
Type	**CC2D74-1001**	**CC2D74-2001**	**CC2D74-4001**	**CC2C76-8001**	**CC2C76-12X1**
Used with	**F-MPC04 (UM01 type)**				
Rated primary current: In	100A	200A	400A	800A	1200A
Linear output limit	Based on the instrumentation range				
Rated secondary current	1A				
Sensor hole diameter	ø36			ø60	
Rated frequency	50/60Hz				
Overcurrent resistance	40 In/1.0s				
Ratio error	+1% In +1.5%/0.2 In				
Phase difference	±80' /In ±100' /0.2 In				
Rated burden	0.5VA (load res. 0.5Ω)				
Insulation resistance	100MΩ min. (500V DC megger) between sensor core and output				
Dielectric strength	2000V AC/1min, between sensor core and output				
Output protection	±1.4Vp, built-in clamping diode				
Operating condition	–20 to 75°C 80%RH No condensation				
Split portion securing method	Clamp				
Mounting	Hanger				
Connection	Heat-resistant IV cable AWG18 1000mm supplied			IV cable 0.75mm^2 1000mm 2-core	
Mass	300g			500g	
CT-BOX	UM01X-1			UM0X-1	

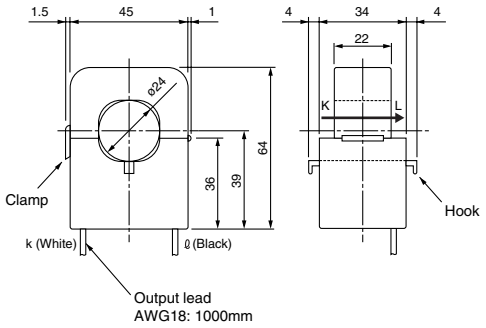
Combination CT for F-MPC04 (UM01 type)
Prepare an exclusive combination CT-BOX when you intend to use the CT in combination with F-MPC04 (UM01 type).
Beware that a different CT-BOX is required depending on the secondary current of the CT you use.

■ Dimensions, mm

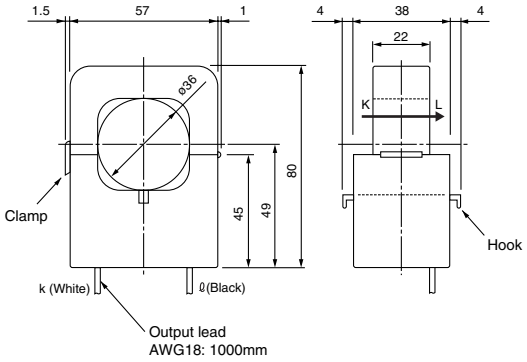
CC2D81



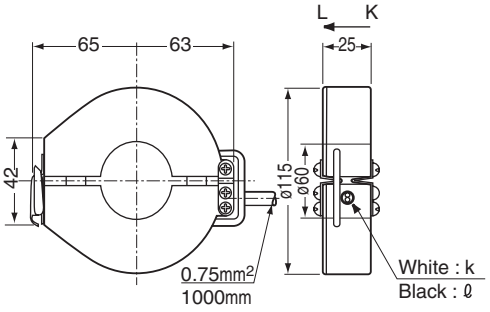
CC2D65



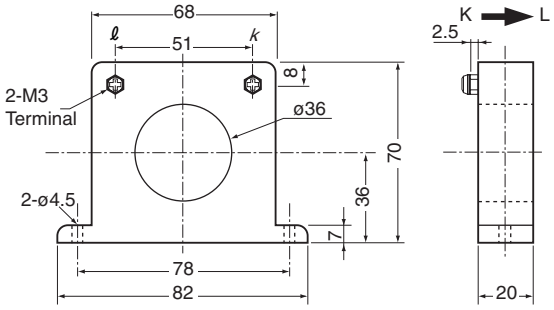
CC2D54, 74



CC2C76

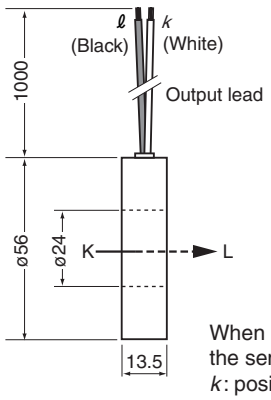


CC2B54



When current flows from K to L direction through the sensor hole, output terminal polarities are *k*: positive and *ℓ*: negative.

CC2B65



When current flows from K to L direction through the sensor hole, output terminal polarities are *k*: positive and *ℓ*: negative.