

## Earth-leakage Circuit Breakers Economical Series

Frame Size									
-	(A)			30	50	60	100	225	400
Туре				ZE30-NF	ZE50-NF	ZE60-NF	ZE100-NF	ZE225-NF	ZE400-NF
Number of p				3	3	3	3	3	3
Phase and	1 φ 2W	14		•		•	•	•	•
wires	3φ3W, 1φ3W	15		•		•	•	•	•
	3 Ø 4W								
RATINGS									
Rated impul	lse withstand voltag	e [Uimp] kV		6	6	6	6	8	8
Rated				5 30	5 30	60	50④	125 200	250
current [A]				10	10 40		60	150 225	300
at 40°C				15	15 50		75	175	350
				20	20		100		400
Rated	High speed type			100-200-415	100-200-415	100-200-415	100-200-415	100-200-415	100-200-415
voltage [AC				commonuse	commonuse	commonuse	commonuse	commonuse	commonuse
	Applicable	range [V]		80-484①	80-484①	80-4841	80-484①	80-484①	80-4841
	Time-delay type			-	-	-	200-415	100-200-415	100-200-415
							commonuse	commonuse	commonuse
	Applicable range [V]			-	-	-	160-484(19)	80-484①	80-484①
Rated	High speed type			15	15	15	30	30	30
sensitivity				30	30	30	100/200/500	100/200/500	100/200/500
current [mA	N			100	100/200adj.able	100/200adj.able	adjustable	adjustable	adjustable
	operating t	ime [sec]		below0.1	below0.1	below0.1	below0.1	below0.1	below0.1
	Time-delay type			-	-	_	100/200/500	100/200/500	100/200/500
							adjustable	adjustable	adjustable
	operating time [sec]			-	-	-	0.45	0.45/1.0/2adj.able	
		ing time [sec]		-	-		above 0.15	above0.1/0.5/1.2	above0.1/0.5/1.2
A.C. RATI	ED BREAKING CAP	ACITY kA							
JIS C 8371	AC	415V		1.5	2.5	2.5	10	15	25
(sym)		200V		2.5	5	5	25	35	35
		100V		5	5	5	25	35	35
DIMENSIO	ONS (mm)								· · · · · · · · · · · · · · · · · · ·
		a (W)		75	75	75	75	105	140
		b (H)		100	100	100	100	165	260
		c (D 1)		60	60	60	60	68	103
		d (D 2)		84	84	84	84	92	145
Weight (kg)	[standard type]	- (/		0.5	0.5	0.5	0.5	1.7	5.2
	TIONS AND MOUN	TINGS		0.0			0.0		
	ect (FC) Terminal se			0	0	0	0	0	0
	Attached f			ŏ	<u> </u>	<u> </u>	- <u>ŏ</u>	<u> </u>	ŏ
Rear conner	ct (RC) Flat bar st			<del>0</del>	- <del>ŏ</del>	- ö	- 0	<u> </u>	0
Plug-in (PM)				-					-
	For distribut			_	-		-		-
Flush plate (				0	0	0	0	0	0
, act place (	Without fla			0		- ŏ			-
Draw-out (D				-					
TemPlug (P				_				0	0
DIN rail	<b>u</b> /			0	0		<u> </u>		-
Clip in chase	eie			0	- 0	- 0			
accessori				<u> </u>	<u> </u>	<u>``</u>			
Internally	Auxiliary switch		AX	•	•	•		•	
mounted			AL	•	-			_	
mounteu					-	-		-	-
	Shunt trip SH Undervoltage trip UV							_	_
	Undervoltage trip UV Test lead wire TL								
				•	-				•
Externally	Meggering switch Motor operator		MG MC	-	_	_	-	_	•
		Brooker meunt Torre							
mounted	External operation		HB		<u> </u>	<u> </u>	<u> </u>	_	•
	handle	Panel mount. Type	HP		<u> </u>	Δ	Δ		•
	Extension handle	01.1	HA	-		-			-
	Mechanical	Slide type	MS	•5	•5	•5		•	•
	interlock	Link type	ML	-					
		Wire type	MW						-
	<u></u>		HH	-				_	-
	Handle holder				•	_	-	_	-
	Handle lock	<b>F</b>	HL	•		•	•	•	
		Front connect type	HL CF	•			• •		·
	Handle lock Terminal cover	Front connect type Rear / plug-in type	HL CF CR	● ●②	● ●②	•2	•2		•
	Handle lock Terminal cover Interpole barrier	Rear / plug-in type	HL CF CR BA	• •2		●2 ●3	●2 ●3		• •3
	Handle lock Terminal cover Interpole barrier Accessory lead ter	Rear / plug-in type	HL CF CR BA TF	• •2 •		•2	● <u>③</u> ●	• •3 •	•
	Handle lock Terminal cover Interpole barrier Accessory lead ter Door flange	Rear / plug-in type	HL CF CR BA	• •2		●2 ●3			• •3
■ Standard	Handle lock Terminal cover Interpole barrier Accessory lead ter	Rear / plug-in type	HL CF CR BA TF			●2 ●3	•3 -	• •3 •	• •3
■ Standard Earth-leaka	Handle lock Terminal cover Interpole barrier Accessory lead ter Door flange specification	Rear / plug-in type	HL CF CR BA TF	• •2 •		●2 ●3	● <u>③</u> ●	• •3 •	• •3
-	Handle lock Terminal cover Interpole barrier Accessory lead ter Door flange specification ge tripping	Rear / plug-in type	HL CF CR BA TF	• • • • -	●② ●③ ● -	• 2 • 3 • -	•3 -	• • • •	• • • -
Earth-leakag	Handle lock Terminal cover Interpole barrier Accessory lead tel Door flange specification ge tripping nt tripping	Rear / plug-in type	HL CF CR BA TF		●② ●③ - Electronic		●③ - Electronic	(3)     -     Electronic	● ●③ - Electronic
Earth-leakag Over-currer Trip button	Handle lock Terminal cover Interpole barrier Accessory lead tel Door flange specification ge tripping nt tripping	Rear / plug-in type	HL CF CR BA TF	● (2) ● = Electronic Magnetic				(3)     (-     (	(3)     Electronic     Thermal-magnetic

NOTE

 $\ensuremath{\textcircled{O}}$  : Standard. This configuration used unless otherwise specified.

- O : Optional standard. Specify when ordering. ⇒ Spectral standard. Specify
   = "yes" or "available".
   → : "no" or "not available".
   △ : Contact Terasaki for detail.
   (2) : Standard.

- $\overline{3}$  : 2pcs on 3P, 3pcs on 4P of interpole barrier is standard (only FC).

 $\overline{(4)}$  : Terminal screw for 50A is M5.

- $\overline{\mathbf{5}}$  : Not available with clip in chassis

m (fj) : For single-phase 3-wire applications, connect live lines to two outermost poles and neutral line to center pole.

 $\overline{\mathbb{O}}$  : Applied circuit voltage is from 100V to 440V. Contact Terasaki for above AC440V.  $\overline{\mathbb{O}}$  : Applied circuit voltage is from 200V to 440V. Contact Terasaki for above AC440V. When not specified, adjustment of rated sensitivity current is set as 100mA, operating time of time-delay type is set as 0.3sec.



## Earth-leakage Circuit Breakers **Standard Series**

Frame Size	(A)			30	50	100	225	400	
Туре				ZS30-NF	ZS50-NF	ZS100-NF	ZS225-NF	ZS400-NF	
Number of p		-		3	3	3 4	3 4	3 4	
Phase and	1 Ø 2W	14)		•	•	• -	• -	• -	
wires	<u>3φ3W, 1φ3W</u>	15				• -	• -	• -	
	3 Ø 4W					- •	- •	- •	
RATINGS		Fr			-	-			
	lse withstand voltage	e [Uimp] kV		6	6	8	8	8	
Rated				3 20	10 40	15 50	125 225	250	
current [A]				5 30	15 50	20 60	150	300	
at 40°C				10	20	30 75	175	350	
<u> </u>				15	30	40 100	400.000.445	400	
Rated	High speed type			100-200-415	100-200-415	100-200-415	100-200-415	100-200-415	
voltage [AC		Гу /]		commonuse	commonuse	commonuse	commonuse	commonuse	
	Applicable range [V] Time-delay type Applicable range [V]			80-484①	80-484①	80-4841	80-4841	80-4841	
				-	-	100-200-415	100-200-415	100-200-415	
							commonuse	commonuse	
Rated	High speed type	range [v]		30	30	80-484① 30	80-484① 30	80-484① 30	
	Fight speed type			100/200/500	100/200/500	100/200/500	100/200/500	100/200/500	
sensitivity current [mA	.1			adjustable	adjustable	adjustable	adjustable	adjustable	
ourrent [mA	operating ti	me [sec]		adjustable below0.1	adjustable below0.1	adjustable below0.1	adjustable below0.1	adjustable below0.1	
		ine [sec]		-	-	100/200/500	100/200/500	100/200/500	
	Time-delay type					adjustable	adjustable	adjustable	
	operating ti				_	0.45/1.0/2adj.able	0.45/1.0/2adj.able	0.45/1.0/2adj.able	
		ing time [sec]			-	above0.1/0.5/1.2	above0.1/0.5/1.2	above0.1/0.5/1.2	
AC RAT	ED BREAKING CAP					above0.1/ 0.0/ 1.2	above0.1/0.3/1.2	abuveu.1/ U.J/ 1.Z	
JIS C 8371	AC	415V		2.5	10	30	35	50	
(sym)		200V		5	25	50	65	85	
(Synn/		100V		5	25	50	65	85	
DIMENSI	ONS (mm)	100 ¥		<u> </u>	25	50	00	- 65	
Dimension		a (W)		75	75	90 120	105 140	140 185	
		b (H)		100	100	155	165	260	
		c (D 1)		60	60	68	68	103	
		d (D 2)		84	84	92	92	145	
Weight (kg)	[standard type]	G (D E)		0.5	0.5	1.3 1.7	1.7 2.1	5.2 6.6	
	TIONS AND MOUNT	INGS							
	ect (FC) Terminal sc			0	0	0	0	0	
	Attached fl			<u>ŏ</u>	ŏ	ŏ	ŏ	ŏ	
Rear connec				0	ŏ	ŏ	ŏ	ŏ	
Plug-in (PM				-	-	-	-	-	
<u> </u>	For distribu			-	-	-	-	-	
Flush plate (				0	0	0	0	0	
	Without flat			Ŏ	Ŏ	-	-	-	
Draw-out (D				-	-	-	-	-	
TemPlug (P					-	0 -	0 -	0 -	
DIN rail				0	0	Ō①	-	-	
Clip in chase	sis			0	-	-	-	-	
accessori	ies (option)	SY	YMBOL						
Internally	Auxiliary switch		AX	•	•		•	•	
mounted	Alarm switch		AL	•		•	•	•	
	Shunt trip		SH	•		-	-	-	
	Undervoltage trip		UV	•		-	-	-	
	Test lead wire		TL	•	•	•	•	•	
	Meggering switch		MG	•	•	•	•	•	
Externally	Motor operator		MC		-	•	•	•	
mounted	External operation			Δ	Δ	•	•	•	
	handle	Panel mount. Type	HP	Δ	Δ	•	•	•	
	Extension handle		HA	-	-	-	-	-	
	Mechanical	Slide type	MS	•5	•	•	•		
	interlock	Link type	ML		-				
		Wire type	MW		-	-	-	-	
	Handle holder		HH	-	-	•	•	•	
	Handle lock		HL	•	•	•	•	•	
	Terminal cover Front connect type CF					•	<u>•</u>		
	Rear / plug-in type         CR           Interpole barrier         BA			<u>•2</u>	<u>•2</u>	•		•	
				•	<u>•3</u>	<u>•3</u>	<u>•3</u>	<u>•3</u>	
	Accessory lead terminal TF								
	Door flange		DF		-			-	
	specification								
Earth-leaka				Electronic	Electronic	Electronic	Electronic	Electronic	
Over-currer	nt tripping			Magnetic	Magnetic	Thermal-magnetic	Thermal-magnetic	Thermal-magnetic	
				INCL	INCL	INCL	INCL	INCL	
Trip button				Mechanical button					
Earth-leaka	ge indication r (ON : red, OFF : gro			INCL	INCL	INCL	INCL	INCL	

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 O : Optional standard. Specify when ordering.
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 - : "no" or "not available".
 A : Contact Terasaki for detail.
 C : L address of the state of the st

- 2 : Standard.

NOTE

- $\stackrel{\scriptstyle{\smile}}{3}$  : 2pcs on 3P, 3pcs on 4P of interpole barrier is standard (only FC).
- ④ : Terminal screw for 50A is M5.
- 5 : Not available with clip in chassis
- 🚯 : When 3-pole type is used for single-phase 2-wire system, use two outermost poles and leave center pole unused.

(1): For single-phase 3-wire applications, connect live lines to two outermost poles and neutral line to center pole.

1 : Applied circuit voltage is from 100V to 440V. Contact Terasaki for above AC440V.

19 : Applied circuit voltage is from 200V to 440V. Contact Terasaki for above AC440V.

When not specified, adjustment of rated sensitivity current is set as 100mA, operating time of time-delay type is set as 0.3sec.



## Earth-leakage Circuit Breakers Standard Series

	Standard	Joenes				 	
Frome Size	(A)			630	800	 	 
Frame Size (A) Type			ZS630-NF	ZS800-NF	 	 	
Number of	noles			3	3		
Phase and		(14)		<u>.</u>	- <u> </u>	 	 
wires $3\phi 3W, 1\phi 3W$ (15)				<u> </u>	÷.	 	 
	3 Ø 4W	0		-	-		
RATINGS							
Rated impu	lse withstand voltage	e [Uimp] kV		8	8		
Rated				500	700	 	 
current [A]				600	800	 	 
at 40°C				630		 	 
<u></u>				100 000 115	100.000.445	 	 
Rated voltage [AC	High speed type			100-200-415	100-200-415		
Voltage LAC	Applicable r	range [V]		commonuse 80-48417	commonuse 80-484(17)	 	 
	Time-delay type			100-200-415	100-200-415	 	 
	inite actual cipe			commonuse	commonuse		
	Applicable r	range [V]		80-484①	80-484①	 	 
Rated	High speed type	•		30	30		
sensitivity				100/200/500	100/200/500		
current [m/				adjustable	adjustable		
	operating ti	me [sec]		below0.1	below0.1	 	 
	Time-delay type			100/200/500	100/200/500	 	 
		<u>г 1</u>		adjustable	adjustable	 	 
	operating ti			0.45/1.0/2adj.able		 	 
	non-operat ED BREAKING CAP	ing time [sec]		above0.1/0.5/1.2	above0.1/0.5/1.2	 	 
■ A.C. RAT JIS C 8371		ACITY KA 415V		50	50		
(sym)	AU	200V		85	85		
(0)110		100V		85	85		 
DIMENSI	ONS (mm)					 	
		a (W)		210	210		
		b (H)		273	273		
		c (D 1)		103	103		 
		d (D 2)		145	145	 	 
Weight (kg) [standard type]			10.0	10.0	 	 	
	TIONS AND MOUNT					 	 
Front conne	ect (FC) <u>Terminal sc</u> Attached fla			 ©	- <u></u>	 	 
Rear conne				0	0	 	 
Plug-in (PN				-	-	 	 
	For distribu			_	-	 	 
Flush plate				0	0	 	
	Without flat			-	-		
Draw-out (I				-	-		
TemPlug (P	PG)			0 -	0 -	 	 
DIN rail				-	-	 	 
Clip in chas		0.4				 	 
accessor		SYN	IBOL				 
Internally mounted	Auxiliary switch Alarm switch		AX AL	•	•	 	 
mounted	Shunt trip		SH	-	-		 
	Undervoltage trip		UV	_	_	 	 
	Test lead wire		TL	•	•		
	Meggering switch		MG	•	•		
Externally	Motor operator		MC	•	•	 	
mounted	External operation	Breaker mount. Type	HB	•	•		
	handle	Panel mount. Type	HP	•	•	 	 
	Extension handle	<u> </u>	HA	•	•	 	 
	Mechanical	Slide type	MS			 	 
	interlock	Link type	ML			 	 
	Handle holder	Wire type	MW HH	-	-	 	 
	Handle holder Handle lock		HL			 	 
	Terminal cover			<u>.</u>	-	 	 
					· •	 	 
	Interpole barrier BA		•3	•3	 		
	Accessory lead terminal TF		<b>T</b>	•	 	 	
	Door flange DF		-	-	 	 	
	l specification					 	 
Earth-leaka				Electronic	Electronic	 	 
Over-curre				Thermal-magnetic		 	 
Trip button				INCL	INCL	 	 
	age indication			Mechanical button		 	 
Handle colo	or (ON : red, OFF : gro	een)		INCL	INCL	 	 

NOTE

- © : Standard. This configuration used unless otherwise specified.
- Optional standard. Specify when ordering.
   "yes" or "available".
   "no" or "not available".

- $\Delta$  : Contact Terasaki for detail.
- ②: Standard.
   ③: 2pcs on 3P, 3pcs on 4P of interpole barrier is standard (only FC).
   ④: Terminal screw for 50A is M5.
- $\overline{(5)}$  : Not available with clip in chassis
- $ar{\mathbb{0}}$  : When 3-pole type is used for single-phase 2-wire system, use two outermost poles and leave center pole unused.

(19) : Applied circuit voltage is from 200V to 440V. Contact Terasaki for above AC440V.

When not specified, adjustment of rated sensitivity current is set as 100mA, operating time of time-delay type is set as 0.3sec.

2

## Earth-leakage Circuit Breakers High-fault Series

Trans         100         222         400 </th <th></th> <th>Thigh Tuu</th> <th></th>		Thigh Tuu											
Type         Call         Call <th< td=""><td></td><td>( • <b>)</b></td><td></td><td></td><td>100</td><td></td><td></td><td></td><td>100</td><td></td><td></td><td></td><td></td></th<>		( • <b>)</b>			100				100				
Number of poles         3         4         3         3         4													
Phose and B (1) (2) (2) (12) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2)				ZS100-	GF	ZS225-	GF	ZS400-	GF				
gig 30, 10.39         (jimp) I/V         8         5         5         5           Reted         000         200 <t< td=""><td colspan="4"></td><td>3</td><td>4</td><td>3</td><td>4</td><td>3</td><td>4</td><td></td><td></td><td></td></t<>					3	4	3	4	3	4			
vires         2.0 W 10.3W         10         1 <th1< th=""> <th1< th="">         1</th1<></th1<>					•	-	•	-	•	-			
3 & W         - <td colspan="4"></td> <td></td> <td>-</td> <td>•</td> <td>-</td> <td></td> <td>-</td> <td></td> <td></td> <td></td>						-	•	-		-			
BATHOS						•	-	•	-	•			
Rated regulate without oringe [Ump] V         8         9         5           Read out of L1         10         20	■ RATINGS							<u> </u>					·
Reted outwert [A]         15         60         125         200         200         200           at 40°         30         75         150         300         100			[llimp] k)/		0		0		0				
current [A]         20         75         50         300		ise withstand voltage				60							
at 40°C													
40         300         400													
Rated         Hgh speed type         50         225         00-200-115         00-200-115           Applicable array (V)         500-200-115         500-200-115         500-200-115         500-200-115           Applicable array (V)         500-200-115         500-200-115         500-200-115         500-200-115           Applicable array (V)         500-200-115         500-200-115         500-200-115         500-200-115           Rated         Hgh speed type         500-200-115         500-200-115         500-200-115         500-200-115           Control (rAL)         500-200-115         500-200-115         500-200-115         500-200-115         500-200-115           Control (rAL)         500-200-105         500-200-105         500-200-105         500-200-105         500-200-105           Control (rAL)         500-200-105         <	at 40°C					100							
Rated         Hijh speet type         100-200-15         00-200-15         00-200-15           Virlage (AC V)         Applicable range (V)         B0-48(7)         B0-48(7)         B0-48(7)           Time-deality type         Sommaruse         B0-48(7)         B0-48(7)         B0-48(7)           Applicable range (V)         B0-48(7)         B0-48(7)         B0-48(7)         B0-48(7)           Applicable range (V)         B0-48(7)         B0-48(7)         B0-48(7)         B0-48(7)           aeenal-Uk1					40		200		400				
Rated         Hijh speet type         100-200-15         00-200-15         00-200-15           Virlage (AC V)         Applicable range (V)         B0-48(7)         B0-48(7)         B0-48(7)           Time-deality type         Sommaruse         B0-48(7)         B0-48(7)         B0-48(7)           Applicable range (V)         B0-48(7)         B0-48(7)         B0-48(7)         B0-48(7)           Applicable range (V)         B0-48(7)         B0-48(7)         B0-48(7)         B0-48(7)           aeenal-Uk1							225						
Voltage LAC VI         commonue         commonue         commonue         commonue           Time delay type         100 / 200 - 415         100 - 200 - 415         100 - 200 - 415         100 - 200 - 415           Reted         High seed type         30         30         30         30         30           generating time [sec]         100 / 200 / 405         50 - 484 / 100 / 200 / 405         50 - 484 / 100 / 200 / 200         50 - 484 / 100 / 200 / 200         50 - 584 / 100 / 200 / 200         50 - 584 / 100 / 200 / 200         50 - 584 / 100 / 200 / 200         50 - 584 / 100 / 200 / 200         50 - 584 / 100 / 200 / 200         50 - 584 / 100 / 2	Rated	High speed type			100-20	0-415		0-415	100-200	)-415			·
Applicable range (V)         80-64/2 (Dor 200-11)         80-64/2 (Dor 200-11)         80-64/2 (Dor 200-11)         80-64/2 (Dor 200-12)           Applicable range (V)         80-64/2 (Dor 200-500 servative)         50-76/2 (Dor													
There delay type         100 - 200 - 415         000 - 200 - 115         000 - 200 - 115           Parted         Applicable range (V)         80 - 4810         90 - 4840	Voltage [//O										-		
Description         commonate biology         commonate biology <th< td=""><td></td><td></td><td>angelvj</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>			angelvj										
Applicable range [V]         B0-48412         B0-48412         B0-48412           Backed Hulp speed type         30         30         30         30           corret [rA]         persting time [sec]         4glutable		l ime-delay type											
Rated         High speed type         30         30         30           exersitivity         adjustable         adjustable         adjustable         adjustable           adjustable         adjustable         adjustable         adjustable         adjustable													
sensitivity         100/200/500         100/200/500         100/200/500           operating time [sec]         deputable         edjutable         edjutable         edjutable           Time-dely type         deputable         edjutable         edjutable         edjutable         edjutable           Time-dely type         deputable         edjutable         edjutable         edjutable         edjutable         edjutable           Time-dely type         deputable         0.87:10/228 able         0.87:10		Applicable r	ange [V]		80-484	1	80-484	1)	80-484	1)			
current [ink]         adjustable         adjustable         adjustable         adjustable           operating time [sec]         100/200/500         100/200/500         adjustable         a	Rated	High speed type			3	0	3	0					
current [ink]         adjustable         adjustable         adjustable         adjustable           operating time [sec]         100/200/500         100/200/500         adjustable         a												·	
Image: Constraint of the law State in the law State		<b>۱</b>											·
Time-delay type         100/200/500         100/200/500         100/200/500           agerating time [sec]         0.45/10/2ad able         0.45/10/2a			ma [aaa]										·
Josef Ling         adjustable         adjusta			ne [sec]						100/200/500				
operating time [sec]         045/10/2ad ablo         045/10/2ad ablo           IAC. RATED BREAKING CAPACITY KA         abox01/05/12         abox01/05/12         abox01/05/12           ISC 8371         AC         415V         65         65           (sym)         AC         90         120         65         65           IDMENSIONS (sm)         90         120         165         140         140         185           IDMENSIONS (sm)         90         120         165         140         140         185           IDMENSIONS (sm)         90         120         165         140         140         185           IDMENSIONS (sm)         90         120         15         120         165         120           Veight (sg) [standard typ]         13         1.7         17         12.1         52         [6.6         160           CONNECTIONS AND MOUNTINGS                 For distribution baard                 Fuge (r/PA)         Q1D               <		i ime-delay type											
Incompetiting time [sec]         above0.1/0.5/1.2         above0.1/0.5/1.2         above0.1/0.5/1.2           JIS C 8371         AC         415V         65         65         65           (cym)         200V         85         85         100         100           DIMENSIONS (nm)         100         88         88         100         100           0         100         88         88         100         100           0         100         88         88         100         100           0         100         88         68         103         100         100           weight 0kg) [standard type]         13         17         17         12.1         2.2         16.6         100           CONDECTIONS AND MOUNTINGS         7         7         1.1         2.0         0.0         0 <td></td>													
IA.C. RATED BREAKING CAPACITY KA												- <u> </u>	
TAC. RATED BREAKING CAPACITY KA         5         5         65         65           (sym)         AC         415V         65         65         65           (sym)         100V         85         85         100         100           DIMENSIONS (smm)         0         100         105         140         185         200           Weight fig2 (standard type)         0         120         105         140         185         200           CONNECTIONS AND MOUNTINGS         13         1.7         1.7         2.1         5.2         6.6         166           CONNECTIONS AND MOUNTINGS         0<					above0	.1/0.5/1.2	above0.	1/0.5/1.2	above0.	1/0.5/1.2			
JIS C 8371         AC         415V         65         65         65         65           (ym)         200V         85         85         100	A.C. RAT												·
(gym)         200V         85         85         100           DDMENSIONS (mm)         5         5         140         185           S         00         105         140         185           S         155         165         260           COMMECTIONS AND MOUNTINGS         7         21         52         8.6           COMMECTIONS AND MOUNTINGS         0         0         0         0           Ford connect (RC)         Flat bar stud         0         0         0         0           Ford connect (RC)         Flat bar stud         0         0         0         0         0           Pare-onice (RC)         Flat bar stud         0 <td></td> <td></td> <td></td> <td></td> <td>65</td> <td></td> <td>65</td> <td></td> <td>65</td> <td></td> <td></td> <td></td> <td></td>					65		65		65				
TOW         85         85         100           BDMENSIONS (mm)         a (W)         90         120         105         140         140         185           b (H)         155         185         260													
IDMENSIONS (mm)         a (W)         g0         120         165         165         260           a (D)         66         68         165         260         200	(Synn/												
a (W)         90         120         105         140         140         185           b (H)         155         165         260 <td></td> <td></td> <td>100 9</td> <td></td> <td>00</td> <td></td> <td>00</td> <td></td> <td>100</td> <td></td> <td></td> <td></td> <td>·</td>			100 9		00		00		100				·
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	DIMENSI	UNS (mm)	(11)			1100	105	1.10	1.10	1.05			
c (D 1)         68         68         103           Weight (kg) [standard type]         1.3         1.7         1.7         1.2         5.2         1.6           CONNECTORS AND MOUNTINGS         -						120		140		185			
d(D 2)         92         92         145           Weight & & Standard type         13         1.7         17         12.1         52         6.6           CONNECTIONS AND MOUNTINGS         0         0         0         0         0         0           Font connect (FC) Terminal screw         0         0         0         0         0         0           Rear connect (RC) Flat bar stud         0												- <u> </u>	
d(D 2)         92         92         145           Weight (kg) Landard type         1.3         1.7         17         12.1         52         6.6           CONNECTIONS AND MOUNTINGS         0         0         0         0         0         0           Font correct (FC) Terminal screw         0         0         0         0         0         0           Rear connect (FC) Fat bar at stud         0													
Weight (kg) [standard type]         1.3         1.7<					92		92		145				·
Image: Constant Constant Server (Fort connect (For) Terminal screw (Fort connect (For) Terminal screw (Constant)         Image: Constant Const	Weight (kg)	[standard type]				17		21		6.6		· ·	·
Front connect (FC) Terminal screw         O         O         O           Rear connect (RC) Flat bar stud         O         O         O         O           Plug-in (PM)         For axitchboard         -         -         -         -           For distribution board         -         -         -         -         -         -           For distribution board         -			INGS	_	1.0	1	1.7	1	0.2	10.0			
Rear connect (RC)         Fat s stud         O </td <td></td> <td>·</td>													·
Rear connect (RC)         Fat s stud         O </td <td>rront conne</td> <td></td> <td>·</td>	rront conne												·
Plug-in (PM)         For switchboard         - </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><u>v</u></td> <td></td> <td></td> <td></td> <td></td>									<u>v</u>				
For distribution board         -					0		0		U				·
For distribution board         -	Plug-in (PN	1) For switchb	oard		-		-		-				
Flush plate (FP)       Attached flat bar stud       O       O       O         Without flat bar stud        -       -       -         Draw-out (DR)       -       -       -       -       -         Improve (PG)       O       -       -       -       -       -         Clip in chassis       -       -       -       -       -       -       -         Clip in chassis       -					-		-		-				
Without flat bar stud         -	Flush plate				0		0		0			·	
Draw-out (DR)       -					-				-				·
TemPlug (PQ)         O         -         O         -         O         -         O         -         O         -         O         -         O         - <t< td=""><td>Drow_out /</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>·</td></t<>	Drow_out /												·
DIN rail       O(1)       - <td< td=""><td></td><td></td><td></td><td></td><td>-</td><td>-</td><td>-</td><td></td><td>-</td><td></td><td></td><td></td><td></td></td<>					-	-	-		-				
Clip in chassis       -       -       -       -       - <b>a</b> ccessories (option)       SYMBOL       -       -       -       -         Internally       Auxiliary switch       AX       •       •       •       -         Internally       Auxiliary switch       AX       •       •       •       -       -         Undervoltage trip       UV       -       -       -       -       -       -         Meggering switch       MG       •       •       •       •       -		γG)					0	-	0				·
Internally       Auxliary switch       AX         Mounted       Alarm switch       AL         Shunt trip       SH         Shunt trip       SH         Test lead wire       TL         Meggring switch       MG         Motor operator       MC         mounted       External operation         Breaker mount. Type       HB         handle       Panel mount. Type         Mechanical       Slide type         Mire type       ML         -       -         Wire type       MU         -       -         Handle lock       HH         Handle lock       HH         Mire type       G         Marcessory lead terminal       TF         Caccessory lead terminal       TF         Door flange       DF         Door flange       DF         Standard specification       Thermal-magnetic         Trip button       Thermal-magnetic         Trip button       INCL					UU		-		-				
Internally       Auxiliary switch       AX         Mounted       Alarm switch       AL         Alarm switch       AL         Shunt trip       SH         Undervoltage trip       UV         Test lead wire       TL         Meggering switch       MG         Meggering switch       MG         Motor operator       MG         mounted       External operation         Externally       Motor operation         Mendie       Panel mount. Type         Handle       Panel mount. Type         Mechanical       Silde type         Mechanical       Silde type         Mire type       MU         Handle holder       HH         Handle look       HL         Terminal cover       Front connect type         Rear / plug-in type       CP         Accessory lead terminal       TF         Door flange       DF         Standard specification       Electronic         Electronic       Thermal-magnetic         Thermal-magnetic       Thermal-magnetic         Thermal-magnetic       Thermal-magnetic         Trip button       IncL       Mechanical button	Clip in chas	sis			-		-		-				
Internally       Auxiliary switch       AX         mounted       Alarm switch       AL         Alarm switch       AL         Shunt trip       SH         Undervoltage trip       UV         Test lead wire       TL         Meggering switch       MG         Meggering switch       MG         Motor operator       MG         mounted       Fakera mount. Type         Handle       Panel mount. Type         Handle       Panel mount. Type         Mechanical       Silde type         Mechanical       Silde type         Mire type       ML         Handle       Panel mount. Type         Mechanical       Silde type         Mechanical       Silde type         Mire type       ML         Mechanical       Silde type         Handle holder       HH         Handle lock       HL         Mechanical       Silde type         Mure type       MV         Marce play in type       P         Marce play in type       P         Marce play in type       P         Mechanical solition       Mechanical solition         Maret play in type	accessor	ries (option)	SYN	<b>IBOL</b>									
mounted       Alarm switch       AL       A         Shuft trip       SH       -       -         Shuft trip       SH       -       -         Test lead wire       TL       -       -         Meggering switch       MG       •       •         Meggering switch       MG       •       •         mounted       External operator       MC       •         mounted       External operator       MC       •         mounted       External operator       MC       •         Made       Parel mount. Type       HB       •       •         Alarm switch       Link type       MP       •       •         Mechanical       Slide type       MS       •       •         Mint trype       ML       -       -       -         Wire type       ML       •       •       •       -         Handle holder       HH       •       •       •       -       -         Handle holder       HIL       •       •       •       •       -       -       -       -       -       -       -       -       -       -       -       -				AX	•								
Shunt trip       SH       -       -       -       -         Indervoltage trip       UV       -       -       -       -         Test lead wire       TL       •       •       •       -         Meggering switch       MG       •       •       •       •         Meggering switch       MG       •       •       •       •         mounted       External operator       MC       •       •       •       •         handle       Panel mount. Type       HP       •       •       •       •       •         External operator       MC       •	-												
Undervoltage trip       UV       -					-		-		-				
Test lead wire       TL         Meggering switch       MG         Externally       Motor operator         mounted       External operation         Breaker mount. Type       HB         External operation       Breaker mount. Type         Handle       Panel mount. Type         Panel mount. Type       HB         Extension handle       Panel mount. Type         Mechanical       Slide type         Miter type       ML         interlock       Link type         Wire type       MW         Handle holder       HH         Handle lock       HL         Terminal cover       Front connect type         Rear / plug-in type       CF         Rear / plug-in type       MC         Accessory lead terminal       TF         Door flange       DF         Door flange       DF         Standard specification       Electronic         Earth-leakage tripping       Thermal-magnetic         Thermal-magnetic       Thermal-magnetic         Trip button       Mechanical button         Ketanical button       Mechanical button		· · · · · · · · · · · · · · · · · · ·			-		-		_				
Meggering switch       MG         Externally       Motor operator       MC         mounted       External operation       Breaker mount. Type       HB         handle       Panel mount. Type       HB         External operation       Breaker mount. Type       HB         Extension handle       Panel mount. Type       HP         Extension handle       HA       -         Extension handle       HA       -         Interlock       Link type       ML         Vire type       MU       -         Wire type       MU       -         Handle holder       HH         Handle lock       HL         Terminal cover       Front connect type CF         Rear / plug-in type CR       Interpole barrier         BA       Accessory lead terminal         Door flange       DF         Standard specification       Electronic         Earth-leakage tripping       Thermal-magnetic         Over-current tripping       Thermal-magnetic         Thermal-magnetic       Thermal-magnetic         Thermal-magnetic       Thermal-magnetic         Thermal-magnetic       Thermal-magnetic         Earth-leakage indication       Mechanical b													
Externally mounted       Motor operator       MC       MC         mounted       External operation handle       Breaker mount. Type       HB       Image: Constraint operation handle       Breaker mount. Type       HB         Extension handle       Panel mount. Type       HP       Image: Constraint operation mechanical       Slide type       MS       Image: Constraint operation mechanical       Slide type       MS       Image: Constraint operation mechanical       Image: Constraint operation mechanical operation       Image: Constraint operation mechanical operation       Image: Constraint operation       Image: Constraint operation       Image: Constraint operation       Image: Constraint operation         Earth-leakage indication       Image: Constraint operation       Image: Constrain					-		-		-				
mounted       External operation handle       Breaker mount. Type       HB       Image: Constraint of the system of t							•						
handle       Panel mount. Type       HP       Image: Constraint of the system of the	Externally						•						
handle       Panel mount. Type       HP       Image: HP	mounted	External operation	Breaker mount. Type	HB	•		•		•				
Extension handle       HA       -					•		•		•				
Mechanical interlock       Slide type       MS       Image: Constraint of the system							-		-				
interlock       Link type       ML       -			Slide type										·
Wire type       MW       -					-		•		-				
Handle holder       HH         Handle lock       HL         Handle lock       HL         Terminal cover       Front connect type         CF       Interpole barrier         BA       Interpole barrier         Interpole barrier       Interpole barrier         BA       Interpole barrier         BA       Interpole barrier		INTERIOCK											·
Handle lock     HL       Terminal cover     Front connect type     CF       Rear / plug-in type     CR       Interpole barrier     BA       Accessory lead terminal     TF       Door flange     DF       -     -       Istandard specification       Earth-leakage tripping       Over-current tripping       Thermal-magnetic			wire type						-				
Terminal cover       Front connect type       CF         Rear / plug-in type       CR         Interpole barrier       BA         Accessory lead terminal       TF         Door flange       DF         -       -         Standard specification       Electronic         Earth-leakage tripping       Electronic         Over-current tripping       Thermal-magnetic         Trip button       INCL         Earth-leakage indication       Mechanical button									•				
Rear / plug-in type       CR       Image: CR       Image: CR       Image: CR       CR       Image: CR       CR <thcr< th="">       CR       <thcr< th="">       CR       <thcr< th=""></thcr<></thcr<></thcr<>		Handle lock     HL       Terminal cover     Front connect type     CF       Rear / plug-in type     CR       Interpole barrier     BA		HL	•		•		•				
Rear / plug-in type       CR       Image: CR       Image: CR       Image: CR       CR       Image: CR       CR <thcr< th="">       CR       <thcr< th="">       CR       <thcr< th=""></thcr<></thcr<></thcr<>				CF			•		•				
Interpole barrier       BA       Image 3       Image 3 </td <td></td> <td></td> <td></td> <td></td> <td>•</td> <td></td> <td colspan="2">÷</td> <td></td> <td></td> <td></td>							•		÷				
Accessory lead terminal       TF       Image					•3								·
Door flange     DF     -     -       In Standard specification     Electronic     Electronic       Earth-leakage tripping     Electronic     Electronic       Over-current tripping     Thermal-magnetic     Thermal-magnetic       Trip button     INCL     INCL       Earth-leakage indication     Mechanical button     Mechanical button													·
Standard specification       Electronic       Electronic       Electronic         Earth-leakage tripping       Electronic       Electronic       Electronic         Over-current tripping       Thermal-magnetic       Thermal-magnetic       Thermal-magnetic         Trip button       INCL       INCL       INCL       INCL         Earth-leakage indication       Mechanical button       Mechanical button       Mechanical button			minal		<u> </u>				<u> </u>				·
Earth-leakage tripping         Electronic         Electronic           Over-current tripping         Thermal-magnetic         Thermal-magnetic           Trip button         INCL         INCL         INCL           Earth-leakage indication         Mechanical button         Mechanical button         Mechanical button				DF	-		-		-				
Over-current tripping         Thermal-magnetic         Thermal-magnetic         Thermal-magnetic           Trip button         INCL         INCL         INCL         INCL           Earth-leakage indication         Mechanical button         Mechanical button         Mechanical button	Standard	specification											
Over-current tripping         Thermal-magnetic         Thermal-magnetic         Thermal-magnetic           Trip button         INCL         INCL         INCL         INCL           Earth-leakage indication         Mechanical button         Mechanical button         Mechanical button						nic	Electron	nic	Electror	nic			
Trip button         INCL         INCL         INCL           Earth-leakage indication         Mechanical button         Mechanical button         Mechanical button									-				· · · · · · · · · · · · · · · · · · ·
Earth-leakage indication Mechanical button Mechanical button Mechanical button						magnetic		magnette		magnetie			·
	-						-	inal hutter		iool huttari			·
nanale color (UN : rea, UFF : green) INGL INGL INGL					ical bullon		ical pullon		ical putton				
	Handle colo	or (UN : red, UFF : gre	en)		INCL		INCL		INCL				

 $\ensuremath{\textcircled{O}}$  : Standard. This configuration used unless otherwise specified.

Optional standard. Specify when ordering.
 : "yes" or "available".
 : "no" or "not available".

 $\Delta$  : Contact Terasaki for detail.

NOTE

3): 2pcs on 3P, 3pcs on 4P of interpole barrier is standard (only FC).

④ : Terminal screw for 50A is M5.

 $(\mathbf{5})$  : Not available with clip in chassis

 $(ar{I})$  : When 3-pole type is used for single-phase 2-wire system, use two outermost poles and leave center pole unused.

m (fj) : For single-phase 3-wire applications, connect live lines to two outermost poles and neutral line to center pole.

1: Applied circuit voltage is from 100V to 440V. Contact Terasaki for above AC440V. () : Applied circuit voltage is from 200V to 440V. Contact Terasaki for above AC440V.

When not specified, adjustment of rated sensitivity current is set as 100mA, operating time of time-delay type is set as 0.3sec.