

Ratings and Specifications

Earth Leakage Circuit Breakers

15 Standard series (Harmonics/surge with countermeasure)

		30		50	50	60	100	125	225	250
Туре		PZS	30-NF	PZS50-NF	ZS50-SF	PZS60-NF	ZS125-SF		ZS250-SF	
Number of poles		3		3	3	3	3	3	3	3
Phase and wires	1ø2W	14		•	•	•	•	•	•	•
	3ø3W, 1ø3W	<u>15</u> •		•	•	•	•	•	•	•
	3ø4W									
Ratings										-
Rated impulse withstan	id voltage (U _{imp}) kV	6		6	8	6	8	8	8	8
Rated current, A		5	20	15 40	15 40	60	15 40 75	125	125 200	250
Calibrated at 40°C		10	30	20 50	20 50		20 50 100		150 225	
		15		30	30		30 60		175	
Rated operational	Instantaneous tripping typ		-440 common	100-440 common	100-440 common	100-440 common	100-440 common	100-440 common	100-440 common	100-440 commor
voltage AC V	Operable voltage fluctuation	range V 80-4	184	80-484	80~484	80-484	80~484	80~484	80~484	80~484
	Time delay tripping type				100-440 common		100-440 common	100-440 common	100-440 common	100-440 commor
	Operable voltage fluctuation				80~484		80~484	80~484	80~484	80~484
Rated sensitivity	Instantaneous tripping typ			15 33	30	30	30	30	30	30
current mA		30		30	100/200/500 selectable	100/200/500 selectable	100/200/500 selectable	100/200/500 selectable	100/200/500 selectable	100/200/500 selectable
			10/500 selectable (41)	100/200/500 selectable (4)						
	Max. operating ti			0.1	0.1	0.1	0.1	0.1	0.1	0.1
	Time delay tripping type	=			100/200/500 selectable		100/200/500 selectable	100/200/500 selectable	100/200/500 selectable	100/200/500 selectable
	Max. operating ti				0.45/1.0/2.0 selectable		0.45/1.0/2.0 selectable	0.45/1.0/2.0 selectable	0.45/1.0/2.0 selectable	0.45/1.0/2.0 selectable
= 5	Non-operating ti	ime sec _			0.1/0.5/1.2 or more		0.1/0.5/1.2 or more	0.1/0.5/1.2 or more	0.1/0.5/1.2 or more	0.1/0.5/1.2 or more
Rated breaking capa		440)/		7.5	0.5	10	05	0.5	20	20
JIS C 8201-2-2 Ann.2	AC	440V 2.5		7.5	25	10	25	25	30	30
I _{cu} (sym)		415V 2.5		7.5	30 50	10	30	30	40	40 0F
		240V 7.5		15		30	50	50	85	85
External discount	mm	100V 7.5		15	50	30	50	50	85	85
External dimensions		a 75		75	75	75	75	75	105	105
—a —	d _c -	<u>a</u> 75 b 130		130	130	130	130	75 130	165	165
b				68	68	68	68	68	68	68
ľ	4	c 68 90		90	95	90	95	95	95	95
Weight (marked star	adord typo) ka	0.8		0.8	0.95	0.9	0.95	0.95	1.7	1.7
Connections and Mo	.,,,,	0.6		0.0	0.95	0.9	0.93	0.95	1.7	1.7
Front-connected (FC)	Terminal screws	• (e	16)	45	● 45	•	(4)	•	•	•
i ioni-connected (i c)	With extension bars			0 53	O 53	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Rear-connected (RC)	Flat bar studs			0	0	0	0	0	0	0
Plug-in (PM) For switchl				=		<u>-</u>		=		=
r lug-iii (i lvi) i oi switciii	Standard (PMC)									
For distri	bution boards (PMC)									
7 07 010111	(PMD)			=						
Flush-mounted (FP)	With flat bar studs			$\overline{\bigcirc}$	$\overline{\bigcirc}$	$\overline{\bigcirc}$	$\overline{\bigcirc}$	0	0	0
Draw-out type (DR)				_	_	_	_			_
TemPlug70 (PG)				_	0		$\overline{\bigcirc}$	$\overline{\bigcirc}$	$\overline{\bigcirc}$	0
DIN rail mount			1	\bigcirc ①	011	\bigcirc \bigcirc	<u></u>	011	=	_
Accessories (optional	al) S	ymbol								
Auxiliary switch	,	AX		•	•	•	•	•	•	•
Alarm switch		A L		•	•	•	•	•	•	•
Shunt trips		S H —		_	_	_	_	_	_	_
Undervoltage trips		UV —		_	_	_	_	_	_	_
Test lead		TL -		_	•	_	•	•	•	•
Leakage alarm swit	ch	LA -		_	_	_	_			_
Managartagt quitab		MG -				_		•	•	
Megger test switch		IVIG								
Motor operator		мс –							•	•
Motor operator	aker-mounted			<u> </u>	<u> </u>	<u> </u>		<u> </u>	•	•
Motor operator External operating Bre handle Door	aker-mounted or-mounted (variable depth)	мс –		- •	•		•	- •	•	•
Motor operator External operating Bre handle Door		MC - HB • HP •		- • •	- • •	- • •	• • •	- • •	• • •	•
Motor operator	or-mounted (variable depth) le type	MC — HB — HP — HA — MS		- • • -	- - - -	- • • -	- • • -	- • • -	• • • •	•
Motor operator	or-mounted (variable depth) le type k type	M C - H B		- • • -	• • • •	- • • -	• • • • •	- • • - •	• • • - •	
Motor operator	or-mounted (variable depth) le type	MC - HB HP HA - MS ML - MW -		- • • - •	• • • •	• • • • •	• • • • • • • • • • • • • • • • • • •	• • • • •	• • • • •	• • • • • • • • • • • • • • • • • • •
Motor operator	or-mounted (variable depth) le type k type	M C		- - - - - -	- - - - - - -	- • • - • -	- - - - -	• • • • • • • • • • • • • • • • • • •	• • • • • •	• • • • • • • • • • • • • • • • • • •
Motor operator External operating Bre handle Doc	or-mounted (variable depth) lie type k type e type	M C - H B		- - - - - - - -	- - - - - - - -	- • • - - - - •	- - - - - - - - -	• • • • • • • • • • • • • • • • • • •		• • • • • • • • • • • • • • • • • • •
Motor operator	or-mounted (variable depth) lie type k type e type front-connected	MC - HB • HP • HA - MS • ML - MW - HH • HL •		- - - - - - - -	- - - - - - - - -	- - - - - - - -	- - - - -			• • • • • • • • • • • • • • • • • • •
Motor operator	or-mounted (variable depth) lie type k type e type front-connected rear-connected and plug-lie	MC - HB		- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - - - -	- - - - -			
Motor operator External operating parameter of the parame	or-mounted (variable depth) lie type k type e type front-connected rear-connected and plug-lie	MC - HB HP HA - MS ML - MW HH HL CF N CR TF		- - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - -	- - - - - - - - 0	- - - - -			
Motor operator External operating American Survey American Sur	or-mounted (variable depth) lie type k type e type front-connected rear-connected and plug-lie	MC - HB				- - - - - - - - - - - - -	- - - - - - - - - - - - - - - -	• • •		
Motor operator External operating handle Doc Toggle extension Mechanical Slic interlock Linit Wir Toggle holder Toggle lock Terminal cover For Terminal block for let Door flange CE marking	or-mounted (variable depth) lie type k type e type front-connected rear-connected and plug-in	MC						• • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • •	
Motor operator External operating handle Doc Toggle extension Mechanical Slic interlock Linit Toggle holder Toggle lock Terminal cover For Terminal block for le Door flange CE marking External operating Break For Interlock External plock for le Door flange CE marking External plock for le Door flange	or-mounted (variable depth) lie type k type e type front-connected rear-connected and plug-lie ad	MC - HB HP HA MS ML MW HH HL CF N CF N CF DF Nor type)	ctronic	Electronic	Electronic	Electronic	One of the control o	Non Electronic	Electronic	Electronic
Motor operator External operating handle Doc handle Slice Mechanical Slice interlock Linit Toggle extension Mechanical Slice interlock Linit Toggle holder Toggle lock Terminal cover For Terminal block for le Door flange CE marking Earth leakage trip mecha	or-mounted (variable depth) le type k type e type front-connected rear-connected and plug-iner anism (Current operation tanism	MC - HB HP HA MS ML - MW HH HL CF N CR TF DF Nor type)	ctronic nal-magnetic ⑦	Electronic Thermal-magnetic	Electronic Thermal-magnetic	Electronic Thermal-magnetic	Non Electronic Thermal-magnetic	Non Electronic Thermal-magnetic	Electronic Thermal-magnetic	Electronic Thermal-magnetic
Motor operator External operating parameter of the parame	or-mounted (variable depth) le type k type e type front-connected rear-connected and plug-iner anism (Current operation tanism	MC - HB HP HA MS ML - MW HH HL CF n CR TF DF Northype)	nal-magnetic 7	Electronic Thermal-magnetic Mechanical button	Electronic Thermal-magnetic Mechanical button	Electronic Thermal-magnetic Mechanical button	Non Electronic Thermal-magnetic Mechanical button	Non Electronic Thermal-magnetic Mechanical button	Electronic Thermal-magnetic Mechanical button	Electronic Thermal-magnetic Mechanical button
Motor operator External operating Bre handle Dot Toggle extension Mechanical Slici interlock Lini Wir Toggle holder Toggle holder Toggle lock Toggle lock Terminal cover For Terminal block for le Door flange CE marking Earth leakage trip mech Covercurrent trip mecha Earth leakage indication Colour of cover	or-mounted (variable depth) le type k type e type front-connected rear-connected and plug-iner anism (Current operation tanism	MC	nal-magnetic ⑦ nanical button y Blue	Electronic Thermal-magnetic Mechanical button Grey Blue	Electronic Thermal-magnetic Mechanical button Grey Blue	Electronic Thermal-magnetic Mechanical button Grey Blue	Non Electronic Thermal-magnetic Mechanical button Grey Blue	Non Electronic Thermal-magnetic Mechanical button Grey Blue	Electronic Thermal-magnetic Mechanical button Grey Blue	Electronic Thermal-magnetic Mechanical buttor Grey Blue
Motor operator External operating Bre handle Doc Toggle extension Mechanical Slid interlock Lini Wir Toggle holder Toggle holder Toggle holder Toggle lock Terminal cover For Terminal block for le Door flange CE marking Earth leakage trip mecha Earth leakage indication Colour of cover Trip button (Colour)	or-mounted (variable depth) le type k type e type front-connected rear-connected and plug-iner anism (Current operation tanism	M C H B H P H A N S M L H H H L C F F D F Nor Electrophype) Them Median Green Services A Services	ctronic nal-magnetic ⑦ nanical button y Blue (Red)	Electronic Thermal-magnetic Mechanical button Grey Blue Yes (Red)	Electronic Thermal-magnetic Mechanical button Grey Blue Yes (Red)	Electronic Thermal-magnetic Mechanical button Grey Blue Yes (Red)	Non Electronic Thermal-magnetic Mechanical button Grey Blue Yes (Red)	Non Electronic Thermal-magnetic Mechanical button Grey Blue Yes (Red)	Electronic Thermal-magnetic Mechanical button Grey Blue Yes (Red)	Electronic Thermal-magnetic Mechanical button Grey Blue Yes (Red)
Motor operator External operating Annual External operating Annual External operating Annual External operating Annual External Operation Annual Ext	or-mounted (variable depth) le type k type e type front-connected rear-connected and plug-iner anism (Current operation tanism	M C H B H P H A M S M L MW H H H L C F T C R T F D F Nor type) Electromagnetic Medical	etronic nal-magnetic ⑦ nanical button y Blue (Red)	Electronic Thermal-magnetic Mechanical button Grey Blue Yes (Red) Yes	Electronic Thermal-magnetic Mechanical button Grey Blue Yes (Red) Yes	Electronic Thermal-magnetic Mechanical button Grey Blue Yes (Red) Yes	Non Electronic Thermal-magnetic Mechanical button Grey Blue Yes (Red)	Non Electronic Thermal-magnetic Mechanical button Grey Blue Yes (Red) Yes	Electronic Thermal-magnetic Mechanical button Grey Blue Yes (Red) Yes	Electronic Thermal-magnetic Mechanical button Grey Blue Yes (Red) Yes
Motor operator External operating handle Doc Toggle extension Mechanical Slic interlock Interlock Toggle holder Toggle lock Terminal cover Terminal block for let Door flange CE marking Earth leakage trip mech Colour of cover Trip button (Colour) Suitability for isolation Reverse connection	or-mounted (variable depth) le type k type e type front-connected rear-connected and plug-iner anism (Current operation tanism	M C H B H P H A N S M L H H H L C F F D F Nor Electrophype) Them Median Green Services A Services	etronic nal-magnetic ⑦ nanical button y Blue (Red)	Electronic Thermal-magnetic Mechanical button Grey Blue Yes (Red)	Electronic Thermal-magnetic Mechanical button Grey Blue Yes (Red)	Electronic Thermal-magnetic Mechanical button Grey Blue Yes (Red)	Non Electronic Thermal-magnetic Mechanical button Grey Blue Yes (Red)	Non Electronic Thermal-magnetic Mechanical button Grey Blue Yes (Red)	Electronic Thermal-magnetic Mechanical button Grey Blue Yes (Red)	Electronic Thermal-magnetic Mechanical button Grey Blue Yes (Red)

- : Standard. This configuration used unless otherwise specified. : Optional standard. Specify when ordering.
- : "yes" or "available". : "no" or "not available". 4 : 50A or less is the M5 wire clamping terminal.

 : Hydraulic-magnetic type for below 10A rating. 1 : Please order the DIN rail adapter separately. See page 6-156.
- (4): When applying 3-pole type to a 1ø2W circuit, use both ends and do not use the central pole.
- (§): When applying 3-pole type to a 1ø3W circuit, apply voltage to both ends and connect the neutral wire to the central pole.

 (§): Applicable to 15A to 30A. (§): Not applicable to 20 A or less.
- 🚳 : A wire clamping terminal is provided. 🔞 : For the extension bars, please place the order separately in parts. 🔞 : There are some limitations. See page 5-23 for details.

Remarks: The rated sensitivity current is set to 100mA and the time delay tripping type's operating time is set to 0.45 seconds before delivery.



Ratings and Specifications

Earth Leakage Circuit Breakers

15 Standard series (Harmonics/surge with countermeasure)

rame size (A)			400	600	630	600	630	800	800	
уре			ZS400-NF	ZS630-CF	0.50	ZS630-NF	550	ZS800-CF	ZS800-NF	
lumber of poles			3 4	3	3	3	3	3	3	
hase and wires	1ø2W	(14)	<u> </u>	•	•	•	•	•	•	
nace and whos	3ø3W, 1ø3W	(15)	<u> </u>		•		-	•		
•	3ø4W		_	=			=			
Ratings										
Rated impulse withstan	id voltage [Uimn] kV		8	8	8	8	8	8	8	
Rated current, A	a ronago (- IIIIp) irr		250 400	500	630	500	630	700	700	
Calibrated at 40°C			300	600	030	600	030	800	800	
Julibrated at 10 C			350	000		000		000	000	
Rated operational	Instantaneous tripping ty	me	100-440 common	100-440 common	100-440 common	100-440 common	100-440 common	100-440 common	100-440 common	-
oltage AC V	Operable voltage fluctuatio		80~484	80~484	80~484	80~484	80~484	80~484	80~484	
-	Time delay tripping type	ni iaiige v	100-440 common	100-440 common	100-440 common	100-440 common	100-440 common	100-440 common	100-440 common	
			80~484	80~484	80~484	80~484	80~484	80~484	80~484	
Rated sensitivity	Operable voltage fluctuatio		30~484							
current mA	Instantaneous tripping ty	pe		30	30	30	30	30	30	
			100/200/500 selectable	100/200/500 selectable	100/200/500 selectable	100/200/500 selectable	100/200/500 selectable	100/200/500 selectable	100/200/500 selectable	
	Max. operating	time sec		0.1	0.1	0.1	0.1	0.1	0.1	
	Time delay tripping type		100/200/500 selectable	100/200/500 selectable	100/200/500 selectable	100/200/500 selectable	100/200/500 selectable	100/200/500 selectable	100/200/500 selectable	
	Max. operating	time sec	0.45/1.0/2.0 selectable	0.45/1.0/2.0 selectable	0.45/1.0/2.0 selectable	0.45/1.0/2.0 selectable	0.45/1.0/2.0 selectable	0.45/1.0/2.0 selectable	0.45/1.0/2.0 selectable	
	Non-operating	time sec	0.1/0.5/1.2 or more	0.1/0.5/1.2 or more	0.1/0.5/1.2 or more	0.1/0.5/1.2 or more	0.1/0.5/1.2 or more	0.1/0.5/1.2 or more	0.1/0.5/1.2 or more	
Rated breaking capa	acity, kA									
IS C 8201-2-2 Ann.2	AC	440V	45	30	30	45	45	30	45	
_{su} (sym)		415V	50	36	36	50	50	36	50	
u - /	_	240V	85	50	50	85	85	50	85	
	_	100V	85	50	50	85	85	50	85	
External dimensions	. mm	.00 ¥								-
			140 185	210	210	210	210	210	210	
_a	d _c -	a								
		b	260	273	273	273	273	273	273	-
	텍	<u>c</u>	103	103	103	103	103	103	103	
		d	145	145	145	145	145	145	145	
/eight (● marked stan			5.2 6.6	10.0	10.0	10.0	10.0	11.0	11.0	
Connections and Mo	ountings									
ront-connected (FC)	Terminal screws		•							
	With extension bars		0	•	•	•	•	•	•	
Rear-connected (RC)	Flat bar studs		0	0	0	0	0	0	0	
lug-in (PM) For switcht		(PMR)	=					=		
ragani (i ivi) i ui swilchi.	Standard (PMC)	(ו ועוט)								
F	. , ,		=							-
For distri	bution boards (PMC)									
luck many to d (ED)	(PMD)									
lush-mounted (FP)	With flat bar studs		0	0	<u>O</u>	0	0	0	0	
raw-out type (DR)										
emPlug70 (PG)			0 –	0	0	0	0			
IN rail mount										
Accessories (optiona	al)	Symbol								
Auxiliary switch		АХ				•	•	•		
Alarm switch										
		ΑL	•	•	•		•	•		
Shunt trips		A L S H	• -	•	• -	<u> </u>	• -	• -	• •	
			• - -	• - -	• - -	• - -	• - -	• - -	— —	
Undervoltage trips		SH	• - -	• - -	- -	- -	- -	- -	- -	
Undervoltage trips Test lead	ch	S H U V T L	• - - •	• - - •	• - - •	• - - •	• - - •	• - - •	- - -	
Undervoltage trips Test lead Leakage alarm swite	ch	SH UV TL LA	-	- - -	- - -	- - -	- - -	- - -	- - -	
Undervoltage trips Test lead Leakage alarm swite Megger test switch	ch	SH UV TL LA		-	- - -	- - -	- - - -	- - -	- - -	
Undervoltage trips Test lead Leakage alarm swite Megger test switch Motor operator		SH UV TL LA MG MC		-	- - - -		-	- - - -		
Undervoltage trips Test lead Leakage alarm swite Megger test switch Motor operator External operating Brea	aker-mounted	SH UV TL LA MG MC			- - - - 0	- - - - -	- - - - - -	- - - - - 0		
Undervoltage trips Test lead Leakage alarm switch Megger test switch Motor operator External operating handle Doo		SH UV TL LA MG MC HB								
Undervoltage trips Test lead Leakage alarm switch Motor operator External operating handle Doo	aker-mounted or-mounted (variable depth)	SH UV TL LA MG MC HB) HP								
Undervoltage trips Test lead Leakage alarm switch Motor operator External operating handle Doo	aker-mounted or-mounted (variable depth) le type	SH UV TL LA MG MC HB) HP HA								
Undervoltage trips Test lead Leakage alarm switch Megger test switch Motor operator External operating Breithandle Doo Toggle extension Mechanical Slid interlock Link	aker-mounted or-mounted (variable depth) le type k type	SH UV TL LA MG MC HB) HP HA MS								
Undervoltage trips Test lead Leakage alarm switch Megger test switch Motor operator External operating Bree handle Doo Toggle extension Mechanical Slid interlock Link	aker-mounted or-mounted (variable depth) le type	SH UV TL LA MG MC HB) HP HA								
Undervoltage trips Test lead Leakage alarm switch Megger test switch Motor operator External operating handle Doo Toggle extension Mechanical Slid interlock Link	aker-mounted or-mounted (variable depth) le type k type	SH UV TL LA MG MC HB) HP HA MS								
Undervoltage trips Test lead Leakage alarm switch Megger test switch Motor operator External operating Bree handle Doo Toggle extension Mechanical Slid interlock Link	aker-mounted or-mounted (variable depth) le type k type	SH UV TL LA MG MC HB) HP HA MS ML								
Undervoltage trips Test lead Leakage alarm switch Megger test switch Motor operator External operating Bree handle Doo Toggle extension Mechanical Slid interlock Link	aker-mounted or-mounted (variable depth) le type k type e type	SH UV TL LA MG MC HB) HP HA MS ML MW								
Undervoltage trips Test lead Leakage alarm switch Megger test switch Motor operator External operating breathendle Doo Toggle extension Mechanical Slid interlock Link Wird Toggle holder Toggle lock Terminal cover For	aker-mounted or-mounted (variable depth) le type k type e type	SH UV TL LA MG MC HB) HP HA MS ML MW HH	-							
Undervoltage trips Test lead Leakage alarm switch Megger test switch Motor operator External operating Bre- handle Doo Toggle extension Mechanical Slid interlock Link Wirr Toggle holder Toggle lock Terminal cover For	aker-mounted or-mounted (variable depth) le type e type front-connected rear-connected and plug-	SH UV TL LA MG MC HB) HP HA MS ML MW HH HC CF								
Undervoltage trips Test lead Leakage alarm switch Megger test switch Motor operator External operating Brei handle Doo Toggle extension Mechanical Slid interlock Link Wire Toggle holder Toggle lock Terminal cover For For	aker-mounted or-mounted (variable depth) le type e type front-connected rear-connected and plug-	SH UV TL LA MG MC HB) HP HA MS ML MW HH L CF -in CR						• • • • • • • • • • • • • • • • • • •		
Undervoltage trips Test lead Leakage alarm switch Megger test switch Motor operator External operating Andle Toggle extension Mechanical Slid interlock Link Wird Toggle holder Toggle lock Terminal cover For Terminal block for le Door flange	aker-mounted or-mounted (variable depth) le type e type front-connected rear-connected and plug-	SH UV TL LA MG MC HB) HP HA MS ML MW HH HC CF	• • • • • • • • • • • • • • • • • • •				• • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • •		
Undervoltage trips Test lead Leakage alarm switt Megger test switch Motor operator External operating Toggle extension Mechanical Slid interlock Toggle holder Toggle lock Terminal cover For For Terminal block for le Door flange E marking	aker-mounted pr-mounted (variable depth) le type k type e type front-connected rear-connected and plug-	SH UV TL LA MG MC HB) HP HA MS ML MW HH HC CF -in CF -TF DF		Non	Non Electronic	Non		Non	Non	
Undervoltage trips Test lead Leakage alarm switch Megger test switch Motor operator External operating Breitenal operating handle Doo Toggle extension Mechanical Slid interlock Uinterlock Toggle holder Toggle lock Terminal cover For For Terminal block for le Door flange E marking arth leakage trip mechanics	aker-mounted pr-mounted (variable depth) le type k type e type front-connected rear-connected and plug- pad	SH UV TL LA MG MC HB) HP HA MS ML MW HH HC CF -in CF -TF DF	One of the control o	Electronic	Electronic	Electronic	Non Electronic	• - Non Electronic	Electronic	
Undervoltage trips Test lead Leakage alarm switch Megger test switch Motor operator External operating Breshandle Doo Toggle extension Mechanical Slidi interlock Link Wird Toggle holder Toggle lock Terminal cover For For Terminal block for le Door flange E marking arth leakage trip mechaver	aker-mounted or-mounted (variable depth) le type e type front-connected rear-connected and plug- ead manism (Current operation	SH UV TL LA MG MC HB) HP HA MS ML MW HH HC CF -in CF -TF DF	Non Electronic Themsi-magnetic (adjustable)	Electronic Thermal-magnetic (adjustable)	Electronic Thermal-magnetic (adjustable)	Electronic Thermal-magnetic (adjustable)	Non Electronic Thermal-magnetic (adjustable)	Non Electronic	Electronic Thermal-magnetic (adjustable)	
Undervoltage trips Test lead Leakage alarm switch Megger test switch Motor operator External operating handle Doo Toggle extension Mechanical Slid interlock Link Wirr Toggle holder Toggle lock Terminal cover For Terminal block for le Door flange E marking arth leakage trip mecha arth leakage indication	aker-mounted or-mounted (variable depth) le type e type front-connected rear-connected and plug- ead manism (Current operation	SH UV TL LA MG MC HB) HP HA MS ML MW HH HC CF -in CF -TF DF	Non Electronic Thermal-magnetic (adjustable) Mechanical button	Electronic Thermal-magnetic (adjustable) Mechanical button	Electronic Thermal-magnetic (adjustable) Mechanical button	Electronic Thermal-magnetic (adjustable) Mechanical button	Non Electronic Thermal-magnetic (adjustable) Mechanical button	Non Electronic Themal-magnetic (adjustable) Mechanical button	Electronic Thermal-magnetic (adjustable) Mechanical button	
Undervoltage trips Test lead Leakage alarm switch Megger test switch Motor operator External operating handle Doo Toggle extension Mechanical Slid interlock Link Wirr Toggle holder Toggle lock Terminal cover For Terminal block for le Door flange E marking arth leakage trip mecha arth leakage indication	aker-mounted or-mounted (variable depth) le type e type front-connected rear-connected and plug- ead manism (Current operation	SH UV TL LA MG MC HB) HP HA MS ML MW HH HC CF -in CF -TF DF	Non Electronic Themsi-magnetic (adjustable)	Electronic Thermal-magnetic (adjustable)	Electronic Thermal-magnetic (adjustable)	Electronic Thermal-magnetic (adjustable)	Non Electronic Thermal-magnetic (adjustable)	Non Electronic	Electronic Thermal-magnetic (adjustable)	
Undervoltage trips Test lead Leakage alarm switch Megger test switch Motor operator External operating Breinhandle Toggle extension Mechanical Slid interlock United Toggle holder Toggle lock Terminal cover For For Terminal block for le Door flange E marking arth leakage trip mech	aker-mounted or-mounted (variable depth) le type e type front-connected rear-connected and plug- ead manism (Current operation	SH UV TL LA MG MC HB) HP HA MS ML MW HH HC CF -in CF -TF DF	Non Electronic Thermal-magnetic (adjustable) Mechanical button	Electronic Thermal-magnetic (adjustable) Mechanical button	Electronic Thermal-magnetic (adjustable) Mechanical button	Electronic Thermal-magnetic (adjustable) Mechanical button	Non Electronic Thermal-magnetic (adjustable) Mechanical button	Non Electronic Themal-magnetic (adjustable) Mechanical button	Electronic Thermal-magnetic (adjustable) Mechanical button	
Undervoltage trips Test lead Leakage alarm switch Megger test switch Motor operator External operating India Doo Toggle extension Mechanical Slid Interlock Link Wirt Toggle holder Toggle lock Terminal cover For Terminal block for le Door flange E marking arth leakage trip mechaerth leakage indicaticolour of cover	aker-mounted or-mounted (variable depth) le type e type front-connected rear-connected and plug- ead manism (Current operation	SH UV TL LA MG MC HB) HP HA MS ML MW HH HC CF -in CF -TF DF	Non Electronic Themal-magnetic (adjustable) Mechanical button Grey Blue	Electronic Thermal-magnetic (adjustable) Mechanical button Grey Blue	Electronic Thermal-magnetic (adjustable) Mechanical button Grey Blue	Electronic Thermal-magnetic (adjustable) Mechanical button Grey Blue	Non Electronic Thermal-magnetic (adjustable) Mechanical button Grey Blue	Non Electronic Themal-magnetic (adjustable) Mechanical button Grey Blue	Electronic Thermal-magnetic (adjustable) Mechanical button Grey Blue	
Undervoltage trips Test lead Leakage alarm switt Megger test switch Motor operator External operating American Slid interlock Toggle extension Mechanical interlock Toggle lock Terminal cover For Terminal block for le Door flange E marking arth leakage trip mecha arth leakage indicatio olour of cover rip button (Colour)	aker-mounted or-mounted (variable depth) le type e type front-connected rear-connected and plug- ead manism (Current operation	SH UV TL LA MG MC HB) HP HA MS ML MW HH HC CF -in CF -TF DF	Non Electronic Themal-magnetic (adjusable) Mechanical button Grey Blue Yes (Red)	Electronic Thermal-magnetic (adjustable) Mechanical button Grey Blue Yes (Red)	Electronic Themal-magnetic (adjustable) Mechanical button Grey Blue Yes (Red)	Electronic Thermal-magnetic (adjustable) Mechanical button Grey Blue Yes (Red)	Non Electronic Themal-magnetic (adustable) Mechanical button Grey Blue Yes (Red)	Non Electronic Themal-magnetic (adjustable) Mechanical button Grey Blue Yes (Red)	Electronic Thermal-magnetic (adjustable) Mechanical button Grey Blue Yes (Red)	

Notes:

- : Standard. This configuration used unless otherwise specified. : Optional standard. Specify when ordering.
- $\hfill \bullet$: "yes" or "available". $\hfill -$: "no" or "not available".
- $\begin{tabular}{l} \textcircled{4} : When applying 3-pole type to a 1ø2W circuit, use both ends and do not use the central pole.$
- (§): When applying 3-pole type to a 1o3W circuit, apply voltage to both ends and connect the neutral wire to the central pole. (②): There are some limitations. See page 5-23 for details. Remarks: The rated sensitivity current is set to 100mA and the time delay tripping type's operating time is set to 0.45 seconds before delivery.