

# 2

## Ratings and Specifications

### Moulded Case Circuit Breakers

#### 3 High-fault level series

Frame size (A)	50			100			125		
Type	PS50-PF			S100-GF			S125-GF		
Number of poles	2	3	4	2	3	4	2	3	4
<b>■ Ratings</b>									
Rated current, A	15			15	60		125		
Calibrated at 40°C	20			20	75				
45°C	30			30	100				
	40			40					
	50			50					
<b>Rated insulation voltage [<math>U_i</math>] V</b>									
	800			690			690		
<b>Rated impulse withstand voltage [<math>U_{imp}</math>] kV</b>									
	8			8			8		
<b>Rated short time withstand current [<math>I_{cw}</math>] kA</b>									
	—			—			—		
<b>Utilization Category</b>									
	A			A			A		
<b>■ Rated breaking capacity, kA</b>									
JIS C 8201-2-1 Ann.1	AC	690V	6/6	6/6	6/6	6/6	6/6	6/6	6/6
IEC 60947-2		500V	30/22	25/22	25/22	25/22	25/22	25/22	25/22
$I_{cu}/I_{cs}$ (sym)		440V	50/35	50/25	50/25	50/25	50/25	50/25	50/25
		415V	70/50	65/33	65/33	65/33	65/33	65/33	65/33
		380V	70/50	65/33	65/33	65/33	65/33	65/33	65/33
		240V	85/85	85/85	85/85	85/85	85/85	85/85	85/85
	① DC	250V	40/40 ⑰ ⑳	40/40 ㉞	40/40 ㉞	40/40 ㉞	40/40 ㉞	40/40 ㉞	40/40 ㉞
		125V	40/40 ⑰ ⑳	40/40 ㉞	40/40 ㉞	40/40 ㉞	40/40 ㉞	40/40 ㉞	40/40 ㉞
NK	AC	690V	6/6 ㉟	6/6	6/6	6/6	6/6	6/6	6/6
$I_{cu}/I_{cs}$ (sym)		450V	50/35 ㉟	50/25	50/25	50/25	50/25	50/25	50/25
		240V	85/85 ㉟	85/85	85/85	85/85	85/85	85/85	85/85
	① DC	250V	40/40 ⑰ ⑳ ㉟	40/40 ㉞	40/40 ㉞	40/40 ㉞	40/40 ㉞	40/40 ㉞	40/40 ㉞
<b>■ External dimensions, mm</b>									
	a	60	90	120	60	90	120	60	90
	b	130			155			155	
	c	68			68			68	
	d	95,5			92			92	
Weight (● marked standard type) kg		0.7	1.0	1.3	0.7	1.1	1.4	0.7	1.1
<b>■ Connections and Mountings</b>									
Front-connected (FC)	Terminal screws	●			●			●	
	With extension bars	○ 53			○ 53			○ 53	
Rear-connected (RC)	Flat bar studs	○			○			○	
Plug-in (PM) For switchboards	High-performance (PMB)	—	○ 50		—	○ 51		—	○ 51
	Standard (PMC)	○			—	○		—	○
	For distribution boards (PMC)	—	○ 85		—	○ 86		—	○ 86
	(PMD)	—	○ 87		—	—		—	—
Flush-mounted (FP)	With flat bar studs	○			○			○	
Draw-out type (DR)		○			○			○	
TemPlug70 (PG)		○			○			○	
DIN rail mount		—	○ 11		—	○ 11		—	○ 11
<b>■ Accessories (optional)</b>									
		Symbol							
Internally mounted	Auxiliary switch	A X ●			●			●	
	Alarm switch	A L ●			●			●	
	Shunt trips	S H ●			●			●	
	Undervoltage trips	U V ●			●			●	
	Motor operator	M C —	●		—	●		—	●
	External operating handle	H B —	●		—	●		—	●
	Door-mounted (variable depth)	H P —	●		—	●		—	●
	Toggle extension	H A —			—			—	
Externally mounted	Mechanical interlock	M S —	●		—	●		—	●
	Rear-connected type	M B —			—			—	
	Link type	M L —	●		—	●		—	●
	Wire type	M W —	●		—	●		—	●
	Toggle holder	H H ●			●			●	
	Toggle lock	H L ●			●			●	
	Terminal cover For front-connected	C F ●			●			●	
	For rear-connected and plug-in	C R ●			●			●	
	Terminal block for lead	T F ●			●			●	
	Door flange	D F ●			●			●	
CE marking		Yes			Yes			Yes	
Overcurrent trip mechanism		Thermal-magnetic			Thermal-magnetic			Thermal-magnetic	
Colour of cover		Grey Blue			Grey Blue			Grey Blue	
Trip button (Colour)		Yes (Red)			Yes (Red)			Yes (Red)	
Suitability for isolation		Yes			Yes			Yes	
Reverse connection		Yes			Yes			Yes	
Page of characteristics and outline dimensions		7-14			7-20			7-22	

**Notes:**

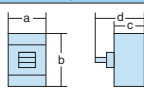
- : Standard. This configuration used unless otherwise specified. ○ : Optional standard. Specify when ordering.
- : "yes" or "available". — : "no" or "not available". ① : DC is a special specification. When ordering, please specify DC.
- ⑰ : Please order the DIN rail adapter separately. See page 6-156. ⑳ : See page 4-7 for the instantaneous trip value when using with DC.
- ㉞ : Applicable to only 2 poles breakers. ㉟ : A safety trip function is provided. ㉟ : A safety lock function is provided. ㉟ : For the extension bars, please place the order separately in parts.
- ㉟ : This is the planned application value. ㉟ : If you do not require internal accessories, please specify PMC.
- ㉟ : Please specify PMC regardless of whether you require internal accessories.
- ㉟ : If you require internal accessories, please specify PMD.

# 2

## Ratings and Specifications

### Moulded Case Circuit Breakers

#### 3 High-fault level series

Frame size (A)	100			125			100		125			
Type	PS125-PF						PS125-PE					
Number of poles	2	3	4	2	3	4	3	4	3	4		
<b>■ Ratings</b>												
Rated current, A	15	60		125			Adjustable		Adjustable			
Calibrated at 40°C	20	75					$I_n=100$		$I_n=125$			
45°C	30	100					40 75		125			
	40						50 100					
	50						60					
							63 ⑥					
Rated insulation voltage [ $U_i$ ] V	800			800			800		800			
Rated impulse withstand voltage [ $U_{imp}$ ] kV	8			8			8		8			
Rated short time withstand current [ $I_{cw}$ ] kA	—			—			—		—			
Utilization Category	A			A			A		A			
<b>■ Rated breaking capacity, kA</b>												
JIS C 8201-2-1 Ann.1 Ann.2	AC	690V	6/6	6/6	6/6	6/6	6/6	6/6	6/6			
IEC 60947-2		500V	30/22	30/22	30/22	30/22	30/22	30/22	30/22			
$I_{cu}/I_{cs}(sym)$		440V	50/35	50/35	50/35	50/35	50/35	50/35	50/35			
		415V	70/50	70/50	70/50	70/50	70/50	70/50	70/50			
		380V	70/50	70/50	70/50	70/50	70/50	70/50	70/50			
		240V	85/85	85/85	85/85	85/85	—	—	—			
① DC		250V	40/40 ⑰ ⑳	40/40 ⑰ ⑳	40/40 ⑰ ⑳	40/40 ⑰ ⑳	—	—	—			
		125V	40/40 ⑰ ⑳	40/40 ⑰ ⑳	40/40 ⑰ ⑳	40/40 ⑰ ⑳	—	—	—			
NK	AC	690V	6/6 ③	6/6 ③	6/6 ③	6/6 ③	6/6 ③	6/6 ③	6/6 ③			
		450V	50/35 ③	50/35 ③	50/35 ③	50/35 ③	50/35 ③	50/35 ③	50/35 ③			
$I_{cu}/I_{cs}(sym)$		240V	85/85 ③	85/85 ③	85/85 ③	85/85 ③	—	—	—			
	① DC	250V	40/40 ㉗ ③	40/40 ㉗ ③	40/40 ㉗ ③	40/40 ㉗ ③	—	—	—			
<b>■ External dimensions, mm</b>												
	a	60	90	120	60	90	120	90	120	90	120	
	b	130			130			130		130		
	c	68			68			68		68		
	d	95.5			95.5			95.5		95.5		
Weight (● marked standard type) kg		0.7	1.0	1.3	0.7	1.0	1.3	1.0	1.3	1.0	1.3	
<b>■ Connections and Mountings</b>												
Front-connected (FC)	Terminal screws	●	●	●	●	●	●	●	●			
	With extension bars	○ ⑤	○ ⑤	○ ⑤	○ ⑤	○ ⑤	○ ⑤	○ ⑤	○ ⑤			
Rear-connected (RC)	Flat bar studs	○	○	○	○	○	○	○	○			
Plug-in (PM)	For switchboards	○ ⑤	○ ⑤	○ ⑤	○ ⑤	○ ⑤	○ ⑤	○ ⑤	○ ⑤			
	High-performance (PMB)	○	○	○	○	○	○	○	○			
	Standard (PMC)	○	○	○	○	○	○	○	○			
	For distribution boards (PMC)	○ ⑧	○ ⑧	○ ⑧	○ ⑧	○ ⑧	○ ⑧	○ ⑧	○ ⑧			
	(PMD)	○ ⑧	○ ⑧	○ ⑧	○ ⑧	○ ⑧	○ ⑧	○ ⑧	○ ⑧			
Flush-mounted (FP)	With flat bar studs	○	○	○	○	○	○	○	○			
Draw-out type (DR)		○	○	○	○	○	○	○	○			
TemPlug70 (PG)		○	○	○	○	○	○	○	○			
DIN rail mount		○ ⑩	○ ⑩	○ ⑩	○ ⑩	○ ⑩	○ ⑩	○ ⑩	○ ⑩			
<b>■ Accessories (optional)</b>												
	Symbol	●	●	●	●	●	●	●	●			
Internally mounted	Auxiliary switch	A X	●	●	●	●	●	●	●			
	Alarm switch	A L	●	●	●	●	●	●	●			
	Shunt trips	S H	●	●	●	●	●	●	●			
	Undervoltage trips	U V	●	●	●	●	●	●	●			
	Motor operator	M C	—	●	—	●	—	●	—			
	External operating handle	Breaker-mounted	H B	—	●	—	●	—	●			
	Door-mounted (variable depth)	H P	—	●	—	●	—	●	—			
	Toggle extension	H A	—	—	—	—	—	—	—			
Externally mounted	Mechanical interlock	Slide type	M S	—	●	—	●	—	●			
		Rear-connected type	M B	—	—	—	—	—	—			
		Link type	M L	—	●	—	●	—	●			
		Wire type	M W	—	●	—	●	—	●			
	Toggle holder	H H	●	●	●	●	●	●	●			
	Toggle lock	H L	●	●	●	●	●	●	●			
	Terminal cover	For front-connected	C F	●	●	●	●	●	●			
	For rear-connected and plug-in	C R	●	●	●	●	●	●	●			
	Terminal block for lead	T F	●	●	●	●	●	●	●			
	Door flange	D F	●	●	●	●	●	●	●			
CE marking		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes			
Overcurrent trip mechanism		Thermal-magnetic	Thermal-magnetic	Thermal-magnetic	Thermal-magnetic	Thermal-magnetic	Electronic	Electronic	Electronic			
Colour of cover		Grey Blue	Grey Blue	Grey Blue	Grey Blue	Grey Blue	Grey Blue	Grey Blue	Grey Blue			
Trip button (Colour)		Yes (Red)	Yes (Red)	Yes (Red)	Yes (Red)	Yes (Red)	Yes (Red)	Yes (Red)	Yes (Red)			
Suitability for isolation		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes			
Reverse connection		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes			
Page of characteristics and outline dimensions		7-14	7-14	7-14	7-14	7-14	7-18	7-18	7-18			

**Notes:**  
 ● : Standard. This configuration used unless otherwise specified. ○ : Optional standard. Specify when ordering.  
 ● : "yes" or "available". — : "no" or "not available".  
 ① : DC is a special specification. When ordering, please specify DC. ⑰ : Please order the DIN rail adapter separately. See page 6-156.  
 ⑱ : See page 4-7 for the instantaneous trip value when using with DC. ⑳ : Applicable to only 2 poles breakers.  
 ㉑ : A safety trip function is provided. ㉒ : For the extension bars, please place the order separately in parts.  
 ⑥ : Does not comply with Electrical Appliances and Materials Safety Act at rated current 100 A or less because it is an adjustable product. Also, it cannot be used at voltages other than rated operational voltage 380 V to 690 V AC. Please contact us for details.  
 ③ : This is the planned application value. ⑧ : If you do not require internal accessories, please specify PMC. ㉗ : If you require internal accessories, please specify PMD.

# 2

## Ratings and Specifications

### Moulded Case Circuit Breakers

#### 3 High-fault level series

Frame size (A)	225			250			250		400		400		
Type	PS250-PF						PS250-PE		PS400-GF		PS400-GE		
Number of poles	2*	3	4	2*	3	4	3	4	3	4	3	4	
Rated current, A	125			250			Adjustable		225		Adjustable		
Calibrated at 40°C	150			250			$I_n=250$		250		$I_n=250$		
45°C	175			250			125		300		$I_n=400$		
	200			250			150		350		125		175
	225			250			175		400		150		200
							200				175		225
							225				200		250
							250				225		300
											250		350
											300		400
											350		
											400		
* 2 poles breakers use the terminals of both ends of 3 poles breakers.													
Rated insulation voltage [ $U_i$ ] V	800												
Rated impulse withstand voltage [ $U_{imp}$ ] kV	8												
Rated short time withstand current [ $I_{sw}$ ] kA	—												
Utilization Category	A			A			A		A		B		
Rated breaking capacity, kA													
JIS C 8201-2-1 Ann.1 Ann.2	AC	690V	6/6	6/6	6/6	6/6	6/6	12/12	12/12	12/12	12/12		
IEC 60947-2		500V	35/30	35/30	35/30	35/30	35/30	50/50	50/50	50/50	50/50		
$I_{cu}/I_{cs}(sym)$		440V	50/40	50/40	50/40	50/40	50/40	65/65	65/65	65/65	65/65		
		415V	70/50	70/50	70/50	70/50	70/50	70/70	70/70	70/70	70/70		
		380V	70/50	70/50	70/50	70/50	70/50	70/70	70/70	70/70	70/70		
		240V	85/85	85/85	85/85	85/85	85/85	100/100	100/100	100/100	100/100		
	① DC	250V	40/40 ① ⑧	40/40 ① ⑧	40/40 ① ⑧	40/40 ① ⑧	—	50/50 ①	—	—	—		
		125V	40/40 ① ⑧	40/40 ① ⑧	40/40 ① ⑧	40/40 ① ⑧	—	50/50 ①	—	—	—		
NK	AC	690V	6/6 ③	6/6 ③	6/6 ③	6/6 ③	6/6 ③	12/12 ③	12/12 ③	12/12 ③	12/12 ③		
$I_{cu}/I_{cs}(sym)$		450V	50/35 ③	50/35 ③	50/35 ③	50/35 ③	50/35 ③	65/65 ③	65/65 ③	65/65 ③	65/65 ③		
		240V	85/85 ③	85/85 ③	85/85 ③	85/85 ③	85/85 ③	100/100 ③	100/100 ③	100/100 ③	100/100 ③		
	① DC	250V	40/40 ① ⑧ ③	40/40 ① ⑧ ③	40/40 ① ⑧ ③	40/40 ① ⑧ ③	—	50/50 ① ⑧ ③	—	—	—		
External dimensions, mm													
	a	105	105	140	105	105	140	105	140	140	185	140	185
	b	165	165	165	165	165	165	260	260	260	260	260	260
	c	68	68	68	68	68	68	103	103	103	103	103	103
	d	95,5	95,5	95,5	95,5	95,5	95,5	151	151	151	151	151	151
Weight (● marked standard type) kg	1.5	1.5	2.0	1.5	1.5	2.0	1.5	2.0	5.5	7.3	5.7	7.5	
Connections and Mountings													
Front-connected (FC)	Terminal screws	●	○	○	○	○	○	○	○	○	○	○	○
	With extension bars	○ ⑤③	○	○	○	○	○	○	○	○	○	○	○
Rear-connected (RC)	Flat bar studs	○	○	○	○	○	○	○	○	○	○	○	○
Plug-in (PM) For switchboards	High-performance (PMB)	○ ⑤①	○	○	○	○	○	○ ⑤①	○	○	○ ⑤①	○	○
	Standard (PMC)	○	—	○	—	○	—	○	—	○	—	○	—
	For distribution boards (PMC)	—	—	—	—	—	—	—	—	—	—	—	—
	(PMD)	—	—	—	—	—	—	—	—	—	—	—	—
Flush-mounted (FP)	With flat bar studs	○	○	○	○	○	○	○	○	○	○	○	○
Draw-out type (DR)		▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
TermPlug70 (PG)		—	○	—	—	○	—	○	—	○	—	○	—
DIN rail mount		—	—	—	—	—	—	—	—	—	—	—	—
Accessories (optional)	Symbol												
Internally mounted	Auxiliary switch	A X	●	●	●	●	●	●	●	●	●	●	●
	Alarm switch	A L	●	●	●	●	●	●	●	●	●	●	●
	Shunt trips	S H	●	●	●	●	●	●	●	●	●	●	●
	Undervoltage trips	U V	●	●	●	●	●	●	●	●	●	●	●
	Motor operator	M C	●	●	●	●	●	●	●	●	●	●	●
	External operating handle	Breaker-mounted H B	●	●	●	●	●	●	●	●	●	●	●
	Door-mounted (variable depth)	H P	●	●	●	●	●	●	●	●	●	●	●
	Toggle extension	H A	—	—	—	—	—	—	—	—	—	—	—
Externally mounted	Mechanical interlock	Slide type M S	●	●	●	●	●	●	●	●	●	●	●
	Rear-connected type	M B	—	—	—	—	—	—	—	—	—	—	—
	Link type	M L	●	●	●	●	●	●	●	●	●	●	●
	Wire type	M W	●	●	●	●	●	●	●	●	●	●	●
	Toggle holder	H H	●	●	●	●	●	●	●	●	●	●	●
	Toggle lock	H L	●	●	●	●	●	●	●	●	●	●	●
	Terminal cover	For front-connected C F	●	●	●	●	●	●	●	●	●	●	●
	For rear-connected and plug-in	C R	●	●	●	●	●	●	●	●	●	●	●
	Terminal block for lead	T F	●	●	●	●	●	●	●	●	●	●	●
	Door flange	D F	●	●	●	●	●	●	●	●	●	●	●
CE marking		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Overcurrent trip mechanism		Thermal-magnetic	Thermal-magnetic	Thermal-magnetic	Thermal-magnetic	Thermal-magnetic	Electronic	Thermal-magnetic (adjustable)	Electronic	Electronic	Electronic	Electronic	Electronic
Colour of cover		Grey Blue	Grey Blue	Grey Blue	Grey Blue	Grey Blue	Grey Blue	Grey Blue	Grey Blue	Grey Blue	Grey Blue	Grey Blue	Grey Blue
Trip button (Colour)		Yes (Red)	Yes (Red)	Yes (Red)	Yes (Red)	Yes (Red)	Yes (Red)	Yes (Red)	Yes (Red)	Yes (Red)	Yes (Red)	Yes (Red)	Yes (Red)
Suitability for isolation		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Reverse connection		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Page of characteristics and outline dimensions		7-32	7-32	7-32	7-32	7-32	7-34	7-44	7-44	7-44	7-46	7-46	7-46

#### Notes:

- : Standard. This configuration used unless otherwise specified. ○ : Optional standard. Specify when ordering.
- ▲ : Semi-standard. ● : "yes" or "available". — : "no" or "not available".
- ① : DC is a special specification. When ordering, please specify DC.
- ⑨ : Mechanical interlocks cannot be applied to draw-out type (DR).
- ⑰ : See page 4-7 for the instantaneous trip value when used with DC. ⑤① : A safety trip function is provided. ⑤③ : For the extension bars, please place the order separately in parts.
- ⑧③ : This is the planned application value. ⑧④ : DC is a 2-pole product that uses both ends of a 3-pole circuit breaker.

# 2

## Ratings and Specifications

### Moulded Case Circuit Breakers

#### 3 High-fault level series

Frame size (A)	600		630		800		800		800		800		1250		
Type	PS630-GF		PS630-GE		S800-RF		S800-RE		S800-PF		S800-PE		S1250-GE		
Number of poles	3	4	3	4	3	4	3	4	3	4	3	4	3	4	
<b>■ Ratings</b>															
Rated current, A	500		Adjustable		700		Adjustable		700		Adjustable		Adjustable		
Calibrated at 40°C	600		$I_n=630$		800		$I_{CT}=800$		800		$I_{CT}=800$		$I_{CT}=1250$		
45°C	78		250		300		350 600		400 700		450 800		500 1000		
			300		350		400 700		450 800		500		600 1200		
			400		500		450 800		500		600 1200		700 1250		
			600		630						700		800		
Rated insulation voltage [ $U_i$ ] V	800		800		690		690		690		690		690		
Rated impulse withstand voltage [ $U_{imp}$ ] kV	8		8		8		8		8		8		8		
Rated short time withstand current [ $I_{cw}$ ] kA	—		—		—		10 (0.3sec.)		—		10 (0.3sec.)		15 (0.3sec.)		
Utilization Category	A		A		A		B		A		B		B		
<b>■ Rated breaking capacity, kA</b>															
JIS C 8201-2-1 Ann.1 Ann.2	AC	690V	12/12	12/12	25/20	25/20	25/20	25/20	25/20	25/20	25/20	25/20	45/34		
IEC 60947-2		500V	50/50	50/50	45/34	45/34	45/34	45/34	45/34	45/34	45/34	45/34	65/50		
$I_{cu}/I_{cs}$ (sym)		440V	65/65	65/65	65/50	65/50	65/50	65/50	65/50	65/50	65/50	65/50	85/65		
		415V	70/70	70/70	70/50	70/50	70/50	70/50	70/50	70/50	70/50	70/50	85/65		
		380V	70/70	70/70	70/50	70/50	70/50	70/50	70/50	70/50	70/50	70/50	100/75		
		240V	100/100	100/100	100/75	100/75	100/75	100/75	100/75	100/75	100/75	100/75	125/94		
	① DC	250V	50/50 ⑰	—	50/50	—	—	—	—	—	—	—	—		
		125V	50/50 ⑰	—	50/50	—	—	—	—	—	—	—	—		
NK	AC	690V	12/12 ⑱	—	—	—	—	—	—	—	—	—	45/34		
$I_{cu}/I_{cs}$ (sym)		450V	65/65 ⑱	—	—	—	—	—	—	—	—	—	85/65		
		240V	100/100 ⑱	—	—	—	—	—	—	—	—	—	125/94		
	① DC	250V	—	—	—	—	—	—	—	—	—	—	—		
<b>■ External dimensions, mm</b>															
	a	140	185	140	185	210	280	210	280	210	280	210	280	210	280
	b	260		260		273		273		273		273		370	
	c	103		103		103		103		103		103		120	
	d	151		151		145		145		145		145		171	
Weight (● marked standard type) kg		5.9	7.8	6.0	8.0	8.5	11.5	9.1	12.3	8.5	11.5	9.1	12.3	19.8	25.0
<b>■ Connections and Mountings</b>															
Front-connected (FC)	Terminal screws	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	With extension bars	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Rear-connected (RC)	Flat bar studs	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Plug-in (PM)	For switchboards	○ 50	—	—	—	○ 51	—	○ 51	—	○ 51	—	○ 51	—	—	—
	High-performance (PMB)	○	—	○	—	○	—	○	—	○	—	○	—	○	—
	Standard (PMC)	○	—	○	—	○	—	○	—	○	—	○	—	○	—
	For distribution boards (PMC)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	(PMD)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Flush-mounted (FP)	With flat bar studs	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Draw-out type (DR)		▲	—	—	—	▲	—	▲	—	▲	—	▲	—	▲	—
TemPlug70 (PG)		○	—	—	—	—	—	—	—	—	—	—	—	—	—
DIN rail mount		—	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>■ Accessories (optional)</b>															
	Symbol														
Auxiliary switch	A X	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Alarm switch	A L	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Shunt trips	S H	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Undervoltage trips	U V	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Motor operator	M C	●	●	●	●	●	●	●	●	●	●	●	●	●	●
External operating handle	Breaker-mounted H B	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Door-mounted (variable depth) H P	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Toggle extension	H A	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Mechanical interlock	Slide type M S	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Rear-connected type M B	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Link type M L	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Wire type M W	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Toggle holder	H H	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Toggle lock	H L	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Terminal cover	For front-connected C F	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	For rear-connected and plug-in C R	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Terminal block for lead	T F	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Door flange	D F	●	●	●	●	●	●	●	●	●	●	●	●	●	●
CE marking		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Overcurrent trip mechanism		Thermal-magnetic (adjustable)	Electronic	Thermal-magnetic (adjustable)	Electronic ⑰	Thermal-magnetic (adjustable)	Electronic ⑰	Thermal-magnetic (adjustable)	Electronic ⑰	Thermal-magnetic (adjustable)	Electronic ⑰	Thermal-magnetic (adjustable)	Electronic ⑰	Electronic ⑰	Electronic ⑰
Colour of cover		Grey Blue	Grey Blue	Grey Blue	Grey Blue	Grey Blue	Grey Blue	Grey Blue	Grey Blue	Grey Blue	Grey Blue	Grey Blue	Grey Blue	Grey Blue	Grey Blue
Trip button (Colour)		Yes (Red)	Yes (Red)	Yes (Red)	Yes (Red)	Yes (Red)	Yes (Red)	Yes (Red)	Yes (Red)	Yes (Red)	Yes (Red)	Yes (Red)	Yes (Red)	Yes (Red)	Yes (Red)
Suitability for isolation		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Reverse connection		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Page of characteristics and outline dimensions		7-58	7-60	7-60	7-68	7-70	7-70	7-70	7-70	7-68	7-70	7-70	7-70	7-76	

**Notes:**

- : Standard. This configuration used unless otherwise specified. ○ : Optional standard. Specify when ordering.
- ▲ : Semi-standard. ● : "yes" or "available". — : "no" or "not available".
- ① : DC is a special specification. When ordering, please specify DC.
- ⑨ : Mechanical interlocks cannot be applied to draw-out type (DR). ⑰ : Optional preferential alarm or ground fault trip function available on request.
- ⑰ : See page 4-7 for the instantaneous trip value when using with DC. ⑳ : One is supplied with every five breakers. Please specify if more are required.
- ㉑ : A safety trip function is provided.
- ㉒ : A safety lock function is provided. ㉓ : Plug-in type (PM), draw-out type (DR), and TemPlug70 (PG) are only 500A. ㉔ : This is the planned application value.