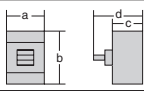


Switch-disconnectors for DC600V-1000V

Frame size (A)	160	160	160	250	250	250		
Type	S160-SDN	PVS160-SNL	PVS160-SNH	S250-SDN	PVS250-SNL	PVS250-SNH		
Number of poles	3	4	4	3	3 4	4		
■ Ratings								
Rated current, A	160	160	160	250	250	250		
Rated insulation voltage [U_i] V	690	800	1000	800	800	1000		
Rated operational voltage V	600	800	1000	600	750 800	1000		
Rated short time withstand current, kA	2 (0.3sec.)	3 (0.3sec.)	3 (0.3sec.)	3 (0.3sec.)	3 (0.3sec.)	3 (0.3sec.)		
Rated impulse withstand voltage [U_{imp}] kV	8	8	8	8	8	8		
■ Performance								
Utilization category ①⑱	DC	DC-22A	DC-22A	DC-22A	DC-22A	DC-22A		
JIS C 8201-3 IEC 60947-3								
■ External dimensions, mm								
	a	75	140	140	105	105 140	140	
	b	130+50 ⑰	165+55×2 ⑰	165+55×2 ⑰	165+55 ⑰	165+55×2 ⑰	165+55×2 ⑰	
	c	68	68	68	68	68	68	
	d	95	95	95	95	95	95	
Weight (● marked standard type) kg	0.8	1.9	1.9	1.5	1.5 1.9	1.9		
■ Connections and Mountings								
Front-connected (FC)	Terminal screws With extension bars	● ○ (BAR)	● ○ (BAR)	● ○ (BAR)	● ○ (BAR)	● ○ (BAR)	● ○ (BAR)	
Rear-connected (RC)	Flat bar studs	○	○	○	○	○	○	
Plug-in (PM)	For switchboards For distribution boards	— —	— —	— —	— —	— —	— —	
Draw-out type (DR)		—	—	—	—	—	—	
TemPlug70 (PG)		—	—	—	—	—	—	
TemPlug45B (PG4)		—	—	—	—	—	—	
DIN rail mount		○ ⑪	—	—	—	—	—	
Clip-in chassis mount		—	—	—	—	—	—	
■ Accessories (optional)								
	Symbol							
Interior	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 Door-mounted (variable depth)	H B 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	—	—	—	—	—	
Exterior	Toggle holder	H H	●	●	●	●	●	
	Toggle lock	H L	●	●	●	●	●	
	Terminal cover	For front-connected	C F	● ⑫	●	● ⑧	● ⑫	● ⑧
		For rear-connected and plug-in	C R	● ⑫	●	● ⑧	● ⑫	● ⑧
	Interpole barrier	B A	● ⑬	●	—	● ⑬	—	
	Terminal block for lead	T F	●	●	●	●	●	
Door flange	D F	●	●	●	●	●		
■ Standard specifications								
Colour of cover	Grey	Grey	Grey	Grey	Grey	Grey	Grey	
Trip button (Colour)	Yes (Red)	Yes (Red)	Yes (Red)	Yes (Red)	Yes (Red)	Yes (Red)	Yes (Red)	
Handle position indication (ON: Red, OFF: Green)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Suitability for isolation	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Reverse connection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	

Notes:

- : Standard. This configuration used unless otherwise specified. ○ : Optional standard. Specify when ordering. ● : "yes" or "available". — : "no" or "not available".
- ① : Connect 3poles or 4poles in series.
- ⑧ : Two terminal covers are supplied as standard. Be sure to install the terminal covers on Line side (ON side) and Load side (OFF side).
- ⑪ : Provided with DIN rail adaptor.
- ⑫ : Be sure to install the terminal covers on Line side (ON side) that is supplied as standard.
- ⑬ : Possible to fit on load side (option).
- ⑰ : + means the dimension of the terminal cover. See outline dimensions for details.
- ⑱ : The time constant (L/R) of the circuit should be less than 2.0ms nearby rated current.

Switch-disconnectors for DC600V-1000V

Frame size (A)	400		400		800		800					
Type	PVS400-NNL		PVS400-NNH		PVS800-NNL		PVS800-NNH					
Number of poles	3	4	4		3	4	4					
■ Ratings												
Rated current, A	400		400		630 800		630 800					
■ Performance												
Rated insulation voltage [U_i] V	800 1150		1150		800 1150		1150					
Rated operational voltage V	750 800		1000		750 800		1000					
Rated short time withstand current, kA	5 (0.3sec.)		5 (0.3sec.)		10 (0.3sec.)		10 (0.3sec.)					
Rated impulse withstand voltage [U_{imp}] kV	8		8		8		8					
Utilization category ①⑱	DC		DC-22A		DC-22A		DC-22A					
JIS C 8201-3 IEC 60947-3												
■ External dimensions, mm												
	a	140	185	185	210	280	280					
	b	260		260	273		273					
	c	103		103	103		103					
	d	145		145	145		145					
Weight (● marked standard type) kg	4.2 5.6		5.6		8.5 11.5		11.5					
■ Connections and Mountings												
Front-connected (FC)	Terminal screws	●		●		●		●				
	With extension bars	○ (BAR)		○ (BAR)		●		●				
Rear-connected (RC)	Flat bar studs	○		○		○		○				
Plug-in (PM)	For switchboards	—		—		—		—				
	For distribution boards	—		—		—		—				
Draw-out type (DR)		—		—		—		—				
TemPlug70 (PG)		—		—		—		—				
TemPlug45B (PG4)		—		—		—		—				
DIN rail mount		—		—		—		—				
Clip-in chassis mount		—		—		—		—				
■ Accessories (optional)												
Interior	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 Door-mounted (variable depth)	H B H P	●		●		●		●		
	Toggle extension	H A	—		—		—		—			
	Exterior	Mechanical interlock	Slide type	M S	—		—		—		—	
			Rear-connected type	M B	—		—		—		—	
		Toggle holder	Link type	M L	—		—		—		—	
Wire type			M W	—		—		—		—		
Toggle lock	H L	●		●		●		●				
Terminal cover	For front-connected	C F	●		●		●		●			
	For rear-connected and plug-in	C R	●		●		●		●			
Interpole barrier	B A	● ⑨		● ⑨		● ⑳ ● ⑩		● ⑩				
Terminal block for lead	T F	●		●		●		●				
Door flange	D F	—		—		—		—				
■ Standard specifications												
Colour of cover	Grey		Grey		Grey		Grey					
Trip button (Colour)	Yes (Red)		Yes (Red)		Yes (Red)		Yes (Red)					
Handle position indication (ON: Red, OFF: Green)	Yes		Yes		Yes		Yes					
Suitability for isolation	Yes		Yes		Yes		Yes					
Reverse connection	Yes		Yes		Yes		Yes					

Notes:

- : Standard. This configuration used unless otherwise specified. ○ : Optional standard. Specify when ordering. ● : "yes" or "available". — : "no" or "not available".
- ① : Connect 4poles in series.
- ⑨ : For front connection, both line and load side interpole barriers are supplied as standard. For rear connection, line side interpole barriers are supplied as standard.
- ⑩ : For front connection, 5pcs line side interpole barriers and 3pcs load side interpole barriers are supplied as standard. For rear connection, 5pcs line side interpole barriers are supplied as standard.
- ⑱ : The time constant (L/R) of the circuit should be less than 2.0ms nearby rated current.
- ⑳ : For front connection, 4pcs line side interpole barriers and 2pcs load side interpole barriers are supplied as standard. For rear connection, 4pcs line side interpole barriers are supplied as standard.