

References

3/4-pole load break switches

Rating (A)	Rated voltage (VDC)	No. of poles	Switch body	Direct operation handle	External operation	Shaft for external handle	Bridging bars for connecting poles in series			
100 A	600	3 P	27DC 3011	Black 2699 5052	S2 type Black 1, 3R, 12 142F 2111 ⁽¹⁾ Red/Yellow	200 mm 7.9 inches 1400 1020	1 piece 2709 0021 (100 to 200A)			
	1000	4 P	27DC 4011							
250 A	600	3 P	27DC 3021			Black 2699 5052	S2 type Black 1, 3R, 12 142G 2111 ⁽¹⁾ Red/Yellow	320 mm 12.6 inches 1400 1032	2 pieces 2x 2709 0025 (250A)	
	1000	4 P	27DC 4021							
400 A	600	3 P	27DC 3041		Black 2699 5052			S2 type Black 4, 4X 142D 2111 ⁽¹⁾ Red/Yellow	400 mm 15.7 inches 1400 1040 ⁽²⁾	1 piece 2709 0041
	1000	4 P	27DC 4041							
600 A	600	3 P	27PV 3060			Black 2799 7012	S3 type Black 4, 4X 143D 3111 ⁽¹⁾ Red/Yellow 4, 4X 143E 3111 ⁽¹⁾		200 mm 7.9 inches 1401 1520	1 piece 2709 0061
	1000	4 P	27PV 4060							
800 A	750	3 P	27DC 3081		Black 2799 7012			S4 type Black 4, 4X 144D 3111 ⁽¹⁾ Red/Yellow	320 mm 12.6 inches 1401 1532	1 piece 2709 0081
	1000	4 P	27DC 4081							
1200 A	750	3 P	27DC 3121	Black 2799 7012			S4 type Black 4, 4X 144D 3111 ⁽¹⁾ Red/Yellow		400 mm 15.7 inches 1401 1540 ⁽²⁾	1 piece 2709 0121
	1000	4 P	27DC 4121							
1600 A	750	3 P	27DC 3162		2799 7062			V1 type Black 3R, 12 2799 7145	320 mm 12.6 inches 4199 3018	2 pieces 2x 2709 0121
	1000	4 P	27DC 4162							
2000 A	750	3 P	27DC 3201	2799 7062			V1 type Black 3R, 12 2799 7145		320 mm 12.6 inches 4199 3018	2 pieces 2x 2709 0121
	1000	4 P	27DC 4201							

⁽¹⁾ Defeatable handle.

⁽²⁾ Shaft guide reference 1429 0000 is required for shaft length over 15.7 inches (400mm).

Accessories

External operation

Use

The door interlocked external operation handle includes a padlockable handle, a conversion kit and must be combined with a shaft extension. In a combiner box, located close to the solar cell strings, or located close to the inverter, we recommend to use a door interlocked external handle for its safety features.

Example

The locking function of the enclosure in the "ON" position will force the operator to safely disconnect and isolate the solar cell strings prior to any intervention. Opening the door when the switch is on "ON" position is possible by defeating the locking function using a tool (authorized persons only). The interlocking function is restored when the door is closed back.



Front operation I - 0, 3/4 poles

Rating (A)	Handle	Handle colour	Nema degree of protection	Reference
100 ... 400	S2 type	Black	1, 3R, 12	142F 2111 ⁽¹⁾
100 ... 400	S2 type	Red/Yellow	1, 3R, 12	142G 2111 ⁽¹⁾
100 ... 400	S2 type	Black	4, 4X	142D 2111 ⁽¹⁾
100 ... 400	S2 type	Red/Yellow	4, 4X	142E 2111 ⁽¹⁾
600	S3 type	Black	4.4X	143D 3111 ⁽¹⁾
600	S3 type	Red/Yellow	4.4X	143E 3111
800 ... 1200	S4 type	Black	4, 4X	144D 3111 ⁽¹⁾
800 ... 1200	S4 type	Red/Yellow	4, 4X	144E 3111 ⁽¹⁾
1600 ... 2000	V1 type	Black	1, 3R, 12	2799 7145

⁽¹⁾ Defeatable handle.

Front operation - 0 heavy duty, 3/4 poles

Rating (A)	Handle	Handle colour	Nema degree of protection	Reference
100 ... 400	S2 type	Black	4, 4X	142D 2911 ⁽¹⁾⁽²⁾
100 ... 400	S2 type	Red/Yellow	4, 4X	142E 2911 ⁽¹⁾⁽²⁾
600	S3 type	Black	4.4X	143D 3911 ⁽¹⁾⁽²⁾
600	S3 type	Red/Yellow	4.4X	143E 3911 ⁽¹⁾⁽²⁾
800 ... 1200	S4 type	Black	4.4X	144D 3911 ⁽¹⁾⁽²⁾
800 ... 1200	S4 type	Red/Yellow	4.4X	144E 3911 ⁽¹⁾⁽²⁾
1600 ... 2000	V1 type	Black	1, 3R, 12	2799 7145

⁽¹⁾ Locking bracket in metal.

⁽²⁾ Defeatable handle.

