

Switching programs

Description	Wiring diagram	Switching angle	Number of cells ↓ Size ↓ AC21	Type	Design see page 6-8 E. Z. V. SMA. P. G.	Switch pro- gram	Escutcheon plate
Changeover switches U							
1-pole		60°	1 48 □ 20A 32A	M10H . M20 .	x x x x x ¹⁾ . U1 x x x x - - . U1		
			64 □ 32A 50A	N20 . N33F .	x - x - x x . U1 x x x - x - . U1		
			88 □ 63A 80A 115A	N40 . N60 . N80 .	x - x - x - . U1 x - x - x - . U1 x - x - - - . U1		
			132 □ 150A 250A	N100 . N200 .	x - x - - - . U1 x - x - - - . U1		
+007		60°	2 48 □ 20A 32A	M10H . M20 .	x x x x x ¹⁾ - . U2 x x x x - - . U2		
			64 □ 32A 50A	N20 . N33F .	x - x - x x . U2 x x x - x - . U2		
			88 □ 63A 80A 115A	N40 . N60 . N80 .	x - x - x - . U2 x - x - x - . U2 x - x - - - . U2		
			132 □ 150A 250A	N100 . N200 .	x - x - - - . U2 x - x - - - . U2		
+007		60°	3 48 □ 20A 32A	M10H . M20 .	x x x x x ¹⁾ - . U3 x x x x - - . U3		
			64 □ 32A 50A	N20 . N33F .	x - x - x x . U3 x x x - x - . U3		
			88 □ 63A 80A 115A	N40 . N60 . N80 .	x - x - x - . U3 x - x - x - . U3 x - x - - - . U3		
			132 □ 150A 250A	N100 . N200 .	x - x - - - . U3 x - x - - - . U3		
+007		60°	4 48 □ 20A 32A	M10H . M20 .	x x x x x ¹⁾ - . U4 x x x x - - . U4		
			64 □ 32A 50A	N20 . N33F .	x - x - x x . U4 x - x - x - . U4		
			88 □ 63A 80A 115A	N40 . N60 . N80 .	x - x - x - . U4 x - x - x - . U4 x - x - - - . U4		
			132 □ 150A 250A	N100 . N200 .	x - x - - - . U4 x - x - - - . U4		
+007		60°	6 48 □ 20A 32A	M10H . M20 .	x x x - x ¹⁾ - . U6 x x x - - - . U6		
			64 □ 32A 50A	N20 . N33F .	x - x - x x . U6 x - x - x - . U6		
			88 □ 63A 80A 115A	N40 . N60 . N80 .	x - x - x - . U6 x - x - x - . U6 x - x - - - . U6		
			132 □ 150A 250A	N100 . N200 .	x - x - - - . U6 x - x - - - . U6		
+007		60°	4 48 □ 20A 32A	M10H . M20 .	x x x x x ¹⁾ - . U4 x x x x - - . U4		
			64 □ 32A 50A	N20 . N33F .	x - x - x x . U4 x - x - x - . U4		
			88 □ 63A 80A 115A	N40 . N60 . N80 .	x - x - x - . U4 x - x - x - . U4 x - x - - - . U4		
			132 □ 150A 250A	N100 . N200 .	x - x - - - . U4 x - x - - - . U4		
+007		60°	6 48 □ 20A 32A	M10H . M20 .	x x x - x ¹⁾ - . U6 x x x - - - . U6		
			64 □ 32A 50A	N20 . N33F .	x - x - x x . U6 x - x - x - . U6		
			88 □ 63A 80A 115A	N40 . N60 . N80 .	x - x - x - . U6 x - x - x - . U6 x - x - - - . U6		
			132 □ 150A 250A	N100 . N200 .	x - x - - - . U6 x - x - - - . U6		
+007							

Ordering example: AC21 250A panel mounting, changeover switch 6-pole, Escutcheon plate 1 - OFF - 2 N200 E U6+007

1) Plastic enclosed switches are delivered with switch type M10.

Switching programs

Description	Wiring diagram	Switching angle	Number of cells ↓ Size ↓ AC21	Type	Design see page 6-8 E. Z. V. SMA. P. G.	Switch pro- gram	Escutcheon plate
Changeover switches without off W							
1-pole		60°	1	48 □ 20A 32A	M10H . x x x x x ¹⁾ - M20 . x x x x - -	. W1 . W1	
				64 □ 32A 50A	N20 . x - x - x x N33F . x x x - x -	. W1 . W1	
				88 □ 63A 80A 115A	N40 . x - x - x - N60 . x - x - x - N80 . x - x - - -	. W1 . W1 . W1	
				132 □ 150A 250A	N100 . x - x - - - N200 . x - x - - -	. W1 . W1	
2-pole		60°	2	48 □ 20A 32A	M10H . x x x x x ¹⁾ - M20 . x x x x - -	. W2 . W2	
				64 □ 32A 50A	N20 . x - x - x x N33F . x x x - x -	. W2 . W2	
				88 □ 63A 80A 115A	N40 . x - x - x - N60 . x - x - x - N80 . x - x - - -	. W2 . W2 . W2	
				132 □ 150A 250A	N100 . x - x - - - N200 . x - x - - -	. W2 . W2	
3-pole		60°	3	48 □ 20A 32A	M10H . x x x x x ¹⁾ - M20 . x x x x - -	. W3 . W3	
				64 □ 32A 50A	N20 . x - x - x x N33F . x x x - x -	. W3 . W3	
				88 □ 63A 80A 115A	N40 . x - x - x - N60 . x - x - x - N80 . x - x - - -	. W3 . W3 . W3	
				132 □ 150A 250A	N100 . x - x - - - N200 . x - x - - -	. W3 . W3	
4-pole 4. pole early make		60°	4	48 □ 20A 32A	M10H . x x x x x ¹⁾ - M20 . x x x x - -	. W4 . W4	
				64 □ 32A 50A	N20 . x - x - x x N33F . x - x - x -	. W4 . W4	
				88 □ 63A 80A 115A	N40 . x - x - x - N60 . x - x - x - N80 . x - x - - -	. W4 . W4 . W4	
				132 □ 150A 250A	N100 . x - x - - - N200 . x - x - - -	. W4 . W4	
6-pole		60°	6	48 □ 20A 32A	M10H . x x x - x ¹⁾ - M20 . x x x - - -	. W6 . W6	
				64 □ 32A 50A	N20 . x - x - x x N33F . x - x - x -	. W6 . W6	
				88 □ 63A 80A 115A	N40 . x - x - x - N60 . x - x - x - N80 . x - x - - -	. W6 . W6 . W6	
				132 □ 150A 250A	N100 . x - x - - - N200 . x - x - - -	. W6 . W6	

Ordering example: AC21 250A panel mounting, changeover switch without off 6-pole, **N200 E W6**

1) Plastic enclosed switches are delivered with switch type M10.

Switching programs

Description	Wiring diagram	Switching angle	Number of cells ↓ Size ↓ AC21	Type	Design see page 6-8 E. Z. V. SMA. P. G.	Switch pro- gram	Escutcheon plate
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Changeover switches with spring return to off UR

1-pole		30°	1 48 □ 20A	M10H . x x x x x ¹⁾ - . UR1 M20 . x x x x - - . UR1	
			64 □ 32A	N20 . x - x - x x . UR1 N33F . x - x - x - . UR1	
			88 □ 63A	N40 . x - x - x - . UR1	
+264					
2-pole		30°	2 48 □ 20A	M10H . x x x x x ¹⁾ - . UR2 M20 . x x x x - - . UR2	
			64 □ 32A	N20 . x - x - x x . UR2 N33F . x - x - x - . UR2	
			88 □ 63A	N40 . x - x - x - . UR2	
+264					
3-pole		30°	3 48 □ 20A	M10H . x x x x x ¹⁾ - . UR3 M20 . x x x x - - . UR3	
			64 □ 32A	N20 . x - x - x x . UR3 N33F . x - x - x - . UR3	
			88 □ 63A	N40 . x - x - x - . UR3	
+264					

Changeover switches with 1 latched and 1 momentary position UK

1-pole position 1 latched position 2 with spring return		60°+30°	1 48 □ 20A	M10H . x x x x x ¹⁾ - . UK1 M20 . x x x x - - . UK1	
			64 □ 32A	N20 . x - x - x x . UK1 N33F . x - x - x - . UK1	
			88 □ 63A	N40 . x - x - x - . UK1	
2-pole position 1 latched position 2 with spring return		60°+30°	2 48 □ 20A	M10H . x x x x x ¹⁾ - . UK2 M20 . x x x x - - . UK2	
			64 □ 32A	N20 . x - x - x x . UK2 N33F . x - x - x - . UK2	
			88 □ 63A	N40 . x - x - x - . UK2	
3-pole position 1 latched position 2 with spring return		60°+30°	3 48 □ 20A	M10H . x x x x x ¹⁾ - . UK3 M20 . x x x x - - . UK3	
			64 □ 32A	N20 . x - x - x x . UK3 N33F . x - x - x - . UK3	
			88 □ 63A	N40 . x - x - x - . UK3	

Ordering example: AC21 63A panel mounting, changeover switch, position 1 latched, position 2 with spring return, 3-pole: **N40 E UK3**

1) Plastic enclosed switches are delivered with switch type M10.