

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
1-pole, for current transformer		90°	1 48 □ 20A	M10H . x x x x x ¹⁾ - . M11			
			64 □ 32A	N20 . x - x - x x . M11			
			88 □ 63A	N33F . x x x - x - . M11			
2-pole, for 1 current transformer or direct current measurement		90°	2 48 □ 20A	M10H . x x x x x ¹⁾ - . M12			
			64 □ 32A	M20 . x x x x - - . M12			
			88 □ 63A	N20 . x - x - x x . M12			
			80A	N33F . x x x - x - . M12			
			115A	N40 . x - x - x - . M12			
1-pole, for 2 current transformers		90°	2 48 □ 20A	M10H . x x x x x ¹⁾ - . M21			
			64 □ 32A	M20 . x x x x - - . M21			
			88 □ 63A	N20 . x - x - x x . M21			
			50A	N33F . x x x - x - . M21			
			88 □ 63A	N40 . x - x - x - . M21			
2-pole, for 2 current transformers or direct current measurement in 2 phases		90°	3 48 □ 20A	M10H . x x x x x ¹⁾ - . M22			
			64 □ 32A	M20 . x x x x - - . M22			
			88 □ 63A	N20 . x - x - x x . M22			
			80A	N33F . x x x - x - . M22			
			115A	N40 . x - x - x - . M22			
1-pole, for 3 current transformers		90°	3 48 □ 20A	M10H . x x x x x ¹⁾ - . M31			
			64 □ 32A	M20 . x x x x - - . M31			
			4 64 □ 32A	N20 . x - x - x x . M31			
			50A	N33F . x - x - x - . M31			
			88 □ 63A	N40 . x - x - x - . M31			

Ordering example: AC21 63A panel mounting, ammeter selector switch, for 3 current transformers 1-pole

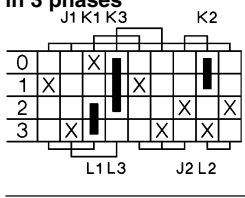
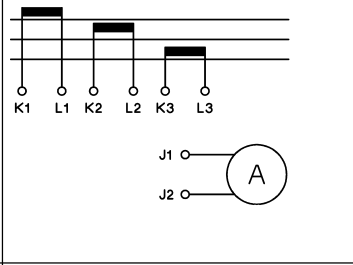
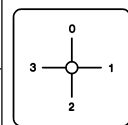
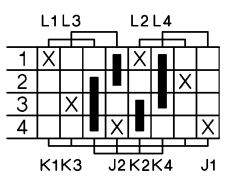
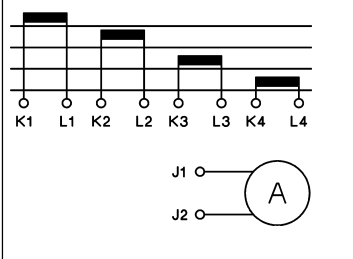
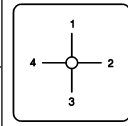
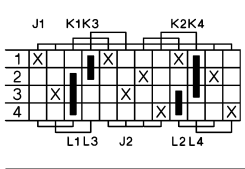
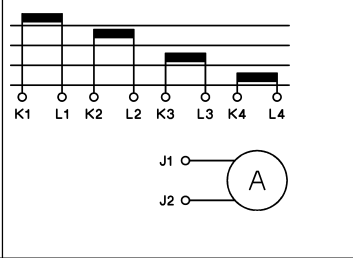
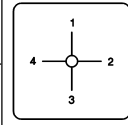
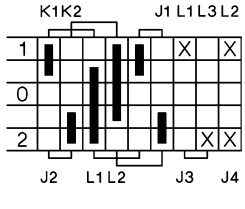
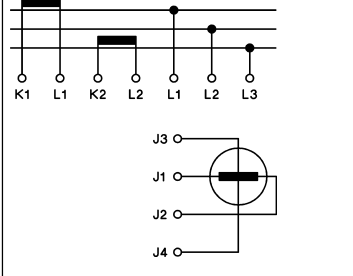
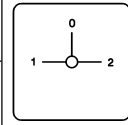
N40 V M31

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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Ammeter selector switches M

<p>2-pole, for 3 current transformers or direct current measurement in 3 phases</p> 		<p>90°</p>	<p>6 48 □ 20A 32A</p>	<p>M10H . x x x x x¹⁾ - . M32 M20 . x x x - - - . M32</p>	<p>64 □ 32A 50A</p> <p>N20 . x - x - x x . M32 N33F . x - x - x - . M32</p>	
<p>1-pole, for 4 current transformers</p> 		<p>90°</p>	<p>4 48 □ 20A 32A</p>	<p>M10H . x x x x x¹⁾ - . M41 M20 . x x x x - - . M41</p>	<p>64 □ 32A 50A</p> <p>N20 . x - x - x x . M41 N33F . x - x - x - . M41</p>	
<p>2-pole, for 4 current transformers or direct current measurement in 4 phases</p> 		<p>90°</p>	<p>6 48 □ 20A 32A</p>	<p>M10H . x x x x x¹⁾ - . M42 M20 . x x x x - - . M42</p>	<p>64 □ 32A 50A</p> <p>N20 . x - x - x x . M42 N33F . x - x - x - . M42</p>	
<p>f. output measurement in 3-phase systems by 2-wattmeter method</p> 		<p>90°</p>	<p>5 48 □ 20A 32A</p>	<p>M10H . x x x x x¹⁾ - . M2W M20 . x x x x - - . M2W</p>	<p>64 □ 32A 50A</p> <p>N20 . x - x - x x . M2W N33F . x - x - x - . M2W</p>	
			<p>88 □ 63A 80A 115A</p>	<p>N40 . x - x - x - . M42 N60 . x - x - x - . M42 N80 . x - x - - - . M42</p>	<p>132 □ 150A 250A</p> <p>N100 . x - x - - - . M42 N200 . x - x - - - . M42</p>	
			<p>88 □ 63A 80A 115A</p>	<p>N40 . x - x - x - . M2W N60 . x - x - x - . M2W N80 . x - x - - - . M2W</p>	<p>132 □ 150A 250A</p> <p>N100 . x - x - - - . M2W N200 . x - x - - - . M2W</p>	

Ordering example: AC21 63A panel mounting, ammeter selector switch, for 4 current transformers 1-pole

N40 V M41

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