Selection guide for all applications

		Series 10 See catalogue Sepam series 10				series 20	Page 51		
		The state of the s							
							*		
Protectio	ns								
	Current	•		•	Ш				
Voltage							• •		
Frequency		phase and	phase and	earth fault		breaker	■ ■ disconnection		
Specifics		earth fault overcurrent	earth fault overcurrent	overcurrent		failure	by rate of change of frequency		
	Applications								
Substation P. 18		А	В	N		S20 S24			
Busbar P. 20							B21 B22		
Transformer P.22		A	В	N		T20 T24			
Motor P. 28						M20			
Generator P. 32									
Capacitor P. 36									
Characteristics									
Logic inputs/	Inputs	4	0	0	П	0 to 10	0 to 10		
outputs	Outputs	7	3	3		4 to 8	4 to 8		
Temperature se	ensors					0 to 8	0 to 8		
Channel	Current	3I + Io	3I + Io	lo		3l + lo			
	Voltage					V	3V + Vo		
Communication	LPCT ⁽¹⁾	1				Yes 1 to 2	1 to 2		
Communication ports IEC61850 Protocol		1				Yes	Yes		
Redudancy						100	100		
	Goose message								
	Matrix (2)					Yes	Yes		
Control	Logic equation editor								
	Logipam (3)								
Other	Backup Front Memory cartridge with settings	Lithium battery (4)							

- (1) LPCT: low-power current transducer complying with standard IEC 60044-8.
- (2) Control matrix for simple assignment of information from the protection, control and monitoring functions.

 (3) Logipam ladder language (PC programming environment) to make full use of Sepam series 80 functions.

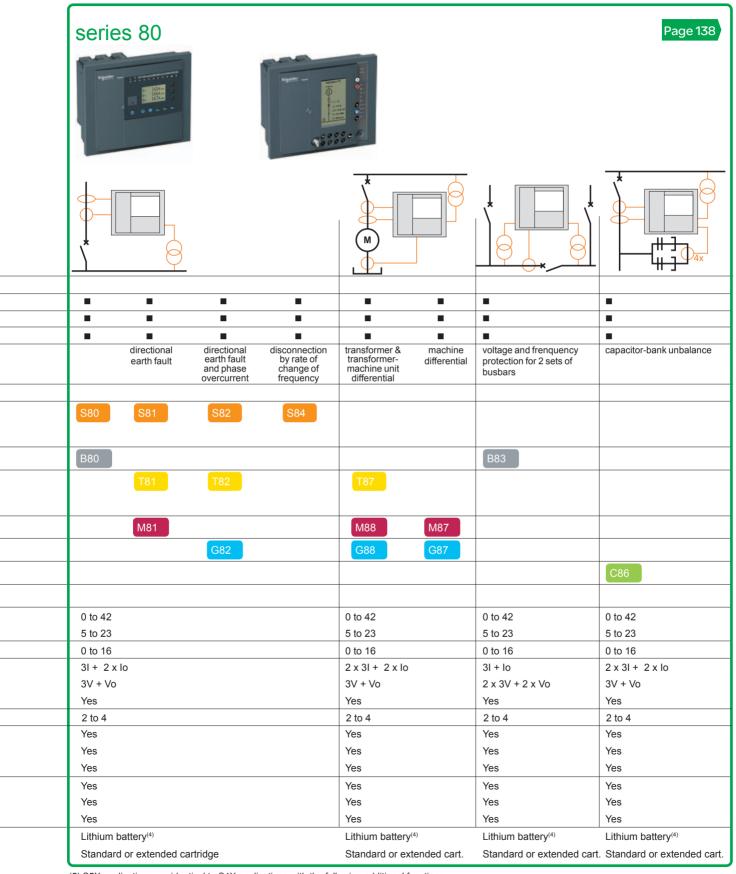
 (4) Standard lithium battery 1/2 AA format 3.6 V front face exchangeable.

Selection guide for all applications

		serie	es 40		Pa	ge 53		series 60	Page 89		
Protection	Protections										
	Current		•	•			П		•		
	Voltage			•			Ш		•		
	Frequency		Proceedings of				Ш				
Specifics			directional earth fault		directional earth fault			directiona earth fault			
Applications							Ш				
Substation P. 18		S40 S50 ⁽⁵⁾	S41 S51 ⁽⁵⁾	S42 S52 ⁽⁵⁾	S43 (S53 ⁽⁵⁾	S44 S54 ⁽⁵⁾	Ш	S60	S62		
	Busbar P. 20						П				
Transformer P.22		T40		T42 T52 ⁽⁶⁾			П	T60	T62		
	Motor P. 28	M40	M41				П	M61	1		
Generator P. 32		G40					П	G60	G62		
							Н				
Capacitor P. 36							Н	C60			
Characteristics		0, 15					\square				
Logic inputs/ outputs	Inputs	0 to 10						0 to 28			
	Outputs	4 to 8					Н	4 to 16			
Temperature s	Current	0 to 16 3I + Io					Н	0 to 16 3I + Io			
Channel	Voltage	3V, 2U +	⊦ Vo				Ш	3V, 2U + Vo or Vnt			
Onamici	LPCT ⁽¹⁾	Yes	. ••				Ш	Yes			
Communication ports		1 to 2					H	1 to 2			
IEC61850 Protocol		Yes					П	Yes			
	Redudancy	Yes					П	Yes			
	Goose message						Ш	Yes			
	Matrix (2)	Yes					\prod	Yes			
Control	Logic equation editor	Yes						Yes			
	Logipam (3)						\square	1.01. 1			
Other	Backup Front Memory cartridge with settings	48 hours	S				$\int \left \cdot \right $	Lithium battery ⁽⁴⁾ Standard cartridge		J	

⁽¹⁾ LPCT: low-power current transducer complying with standard IEC 60044-8.
(2) Control matrix for simple assignment of information from the protection, control and monitoring functions.
(3) Logipam ladder language (PC programming environment) to make full use of Sepam series 80 functions.
(4) Standard lithium battery 1/2 AA format 3.6 V front face exchangeable.

Selection guide for all applications



⁽⁵⁾ S5X applications are identical to S4X applications with the following additional functions:

■ earth fault and phase overcurrent cold load pick-up,
■ broken wire detection,
■ fault locator.

(6) T5X applications are identical to T4X applications with the following additional functions:
■ earth fault and phase overcurrent cold load pick-up
■ broken wire detection.