

PB103446



Sepam series 10.

Sepam series 10 is a high-quality protection relay that represents the most cost-effective solution available for essential protection functions. Highly ergonomic, it is easy to install and set up.

Sepam series 10 specifics

Sepam series 10 monitors phase and/or earth-fault currents. Three models meet a wide range of different needs :

- **N**: Sepam series 10 N protects against earth faults
- **B**: Sepam series 10 B protects against overloads, phase-to-phase faults and earth faults
- **A**: Sepam series 10 A provides the same functions as model B, but with a communication port, more inputs and outputs, and additional protection and monitoring functions.

Simplicity

- **easy operation** - screen, keys, pictograms, etc., good ergonomics
- **fast set-up** - installation, wiring, parameter setting directly on the relay without a PC
- **easy stock management** - a single box, no accessories.

Reliability

- **guaranteed protection of life and property** - high-quality product, compliance with standards, continuous self-test
- **safety of operating personnel** - all accessible parts are made of insulating materials, light and compact product with no sharp edges
- **environmentally friendly** - compliance with the European RoHS directive, low energy consumption, manufacture in factory certified ISO 14001.

Productivity

- **attractive, cost-effective product** - easy to understand, no unnecessary complications, suited to user needs
- **improved availability of electricity** - precise tripping set points and times, logic discrimination, detailed information made spontaneously available to operator following tripping.
- **reduced maintenance costs** - continuous self-tests to extend periods between maintenance.

Functions		ANSI code	Sepam series 10		
			N	B	A
Protections					
Earth-fault protection	Standard	50N/51N	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Sensitive			<input type="checkbox"/>	<input type="checkbox"/>
	High sensitivity		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Phase-overcurrent protection		50/51		■	■
Thermal overload protection		49RMS		■	■
Phase-overcurrent and earth fault protection cold load pick-up				■	■
Logic discrimination	blocking send	68	■	■	■
	blocking reception				■
External tripping					■
Measurements					
Earth-fault current			■	■	■
Phase currents				■	■
Peak demand currents				■	■
Control and supervision					
Circuit breaker tripping and lockout		86	■	■	■
Tripping indication			■	■	■
Trip-circuit supervision					■
Remote circuit-breaker control					■
Record of last fault				■	■
Record of last five events					■
Communication					
Modbus					■
IEC 60870-5-103					■
Inputs/Outputs (number)					
Earth-fault current inputs			1	1	1
Phase-current inputs			-	2 or 3	3
Logic relay outputs			3	3	7
Logic inputs			-	-	4
Communication port			-	-	1

■ Function available.

□ Function availability depends on the Sepam model.



SEPAM series 10

Reference

SEPAM 10

REL59800	SEPAM 10	B	3	1	A
REL59801	SEPAM 10	B	3	1	E
REL59802	SEPAM 10	B	4	1	A
REL59803	SEPAM 10	B	4	2	A
REL59804	SEPAM 10	B	4	3	A
REL59805	SEPAM 10	B	4	1	E
REL59806	SEPAM 10	B	4	2	E
REL59807	SEPAM 10	B	4	3	E
REL59808	SEPAM 10	A	4	1	A
REL59809	SEPAM 10	A	4	2	A
REL59810	SEPAM 10	A	4	3	A
REL59811	SEPAM 10	A	4	1	E
REL59812	SEPAM 10	A	4	2	E
REL59813	SEPAM 10	A	4	3	E
REL59814	SEPAM 10	A	4	1	F
REL59815	SEPAM 10	A	4	2	F
REL59816	SEPAM 10	A	4	3	F
REL59817	SEPAM 10	N	1	1	A
REL59818	SEPAM 10	N	1	3	A
REL59819	SEPAM 10	N	1	1	E
REL59820	SEPAM 10	N	1	3	E

Sepam series 10	X	X	X	X
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Model:

Earth-fault protection	N			
Phase-overcurrent and earth-fault protection	B			
Phase-overcurrent and earth-fault protection, logic inputs and communication port	A			

Number of current inputs:

1 earth-fault input		1		
2 phase-current inputs + 1 earth-fault input		3		
3 phase-current inputs + 1 earth-fault input		4		

Sensitivity of earth-fault protection:

Standard (0.1...24 I _{no})			1	
Sensitive (0.01...2,4 I _{no})			2	
High sensitivity (0.2...24 A and 2...240 A)			3	

Supply voltage:

24...125 V DC and 100...120 V AC				A
110...250 V DC and 100...240 V AC				E
220...250 V DC and high-threshold logic inputs				F