

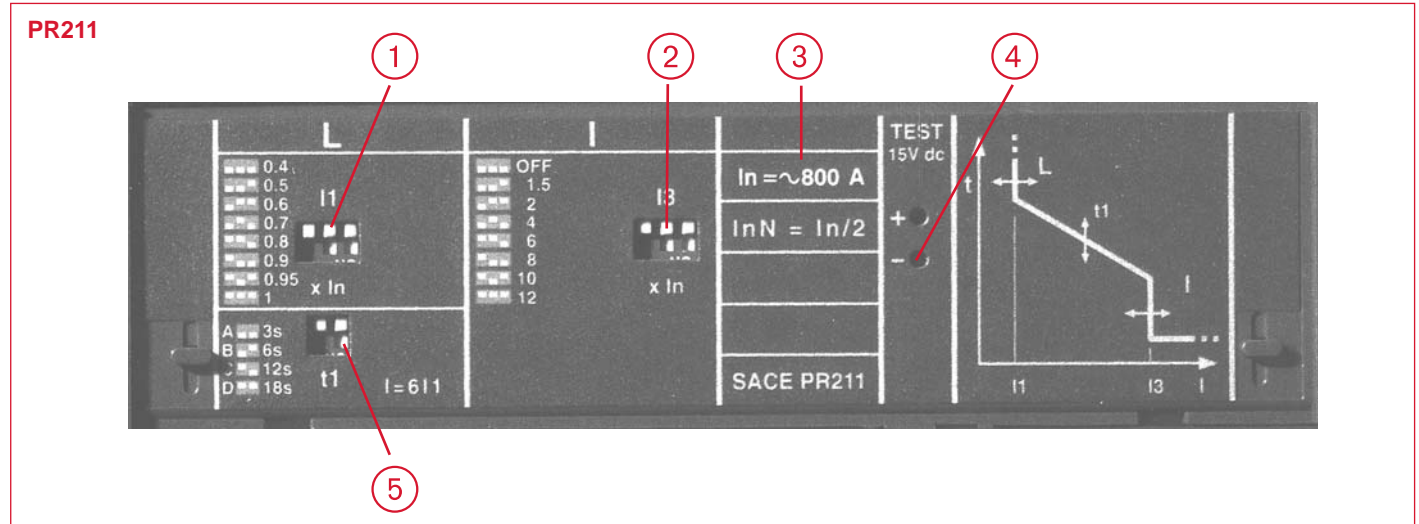
Protective releases

Microprocessor based overcurrent relays, PR211 for S4, S5, S6 & S7 breakers



Protective functions and set values

Protection against	Trip	Symbol	Set values (manual adjustment in steps)
Overload	Long delay	L	$I_1 = 0.4-0.5-0.6-0.7-0.8-0.9-0.95-1 \times I_n$ $t_1 = 4 \text{ curves A,B,C,D}$
Short-circuit	Instantaneous adjustment	I	$I_3 = 1.5-2-4-6-8-10-12 \times I_n$



Key

- 1 Dip-switch for function L setting (I_1)
- 2 Dip-switch for function I setting (I_3)
- 3 Rated current of current transformers
- 4 15 V d.c. input for release functioning check
- 5 Function L trip time setting dip switch (T_1)

Rated and setting currents

Circuit-breaker	Current transformer	Functions	
		L (I_1) A (0.4 – 1 x I_n)	I (I_3) A (1.5 – 12 x I_n)
S4	250	100	150 – 1200
		250	375 – 3000
S5	400	300	450 – 3600
		400	600 – 4800
S6	600/800	600	900 – 7200
		800	1200 – 9600
S7	1200	1000	1000 – 12,000
		1200	1800 – 14,400