

Protective releases

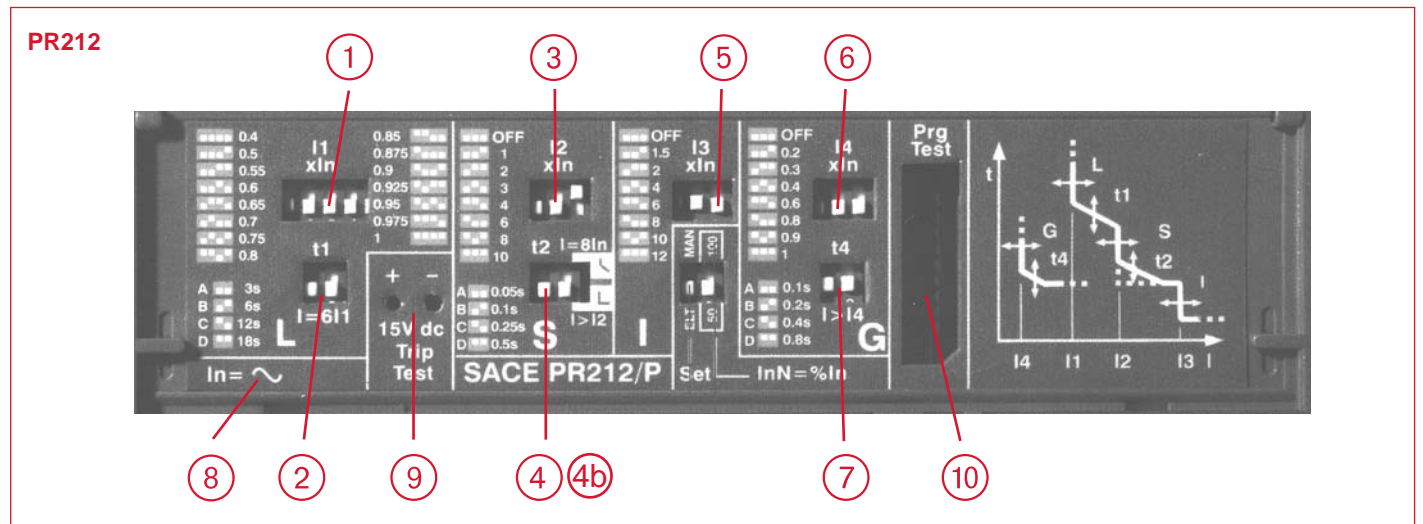
Microprocessor based overcurrent relays, PR212

Protection functions and set values, S4 – S8

Isomax
MCCBs

Protection functions and set values

Protection against	Overload	Short-circuit	Short circuit	Earth fault
Trip	Long delay	Inverse or definite short delay	Instantaneous adjustable	Inverse short delay
Symbol	L	S	I	G ⊕
Set values (manual adjustment in steps)	$I1 = 0.4-0.5-0.55-0.6-0.65-0.7-0.75-0.8-0.85-0.875-0.9-0.925-0.95-0.975-1 \times I_n$ $t1 = 4 \text{ curves A - D}$	$I2 = 1-2-3-4-6-8-10$ OFF $\times I_n$ $t2 = 4 \text{ curves A - D}$	$I3 = 1.5-2-4-6-8-10-12$	$I4 = 0.2-0.3-0.4-0.7-0.8-0.9-1$ $t4 = 4 \text{ curves A - D}$
Set values (electronic adjustment)	$I1 = 0.4 - 1 \times I_n$ $t1 = 3 - 18s$	$I2 = 1 \dots 10 \text{ OFF} \times I_n$ $t2 = 0.05 - 0.5$	$I3 = 1.5-12 \text{ OFF} \times I_n$	$I4 = 0.2 - 1 \text{ OFF} \times I_n$ $t4 = 0.1 - 0.8s$



Key

- 1 Function L setting dip-switch (I1)
- 2 Function L trip time setting dip-switch (t1)
- 3 Function S setting dip-switch (I2)
- 4 Function S trip time setting dip-switch (t2)
- 4b Fixed/variable trip time selection dip-switch
- 5 Function I setting dip-switch (I3)
- 6 Function G setting dip-switch (I4)
- 7 Function G trip time setting dip-switch (t4)
- 8 Rated current of current transformers
- 9 15 V d.c. input for release functioning check
- 10 Socket for connecting SACE PR010/T test unit

⊕ S8 it = 0.2 - 0.4