

Self-Powered Supply Starting Characteristics (VIP400)

Characteristics		Values
Pick-up time	Earth fault current	Single-phase and three-phase
	0.06 I _n	< 140 ms
	0.12 I _n	< 75 ms
	1.2 I _n	< 40 ms
	5 I _n	< 30 ms
	10 I _n	< 20 ms

The pick-up time is the time the VIP takes to start when not supplied with power. In the event of a fault, this time is added to the time delay that has been set. The pick-up time values are indicated for a fault current equal to 1.2 times the set point.

Characteristics		Values	
Pick-up current (I _{act})	Sensors	Single-phase	Three-phase
	CUa	10 A	7 A ⁽¹⁾
	CUb	28 A	14 A

NOTE: ⁽¹⁾ 10 A if the VIP user-machine interface on embedded battery was activated when the fault occurred.

NOTE: These values guarantee that the protection functions work but activation of the display is assured for higher values (typically 10 A for the CUa sensor, 31.5 A for the CUb sensor, with single-phase or three-phase injection).

Self-Powered Supply Starting Characteristics (VIP410)

The characteristics below apply to the VIP410 when it is powered by its self-powered power supply alone, without relying on its auxiliary power supply.

Characteristics		Values
Pick-up time	Earth fault current	Single-phase and three-phase
	0.06 I _n	< 140 ms
	0.12 I _n	< 75 ms
	1.2 I _n	< 40 ms
	5 I _n	< 30 ms
	10 I _n	< 20 ms

The pick-up time is the time the VIP takes to start when not supplied with power. In the event of a fault, this time is added to the time delay that has been set. The pick-up time values are indicated for a fault current equal to 1.2 times the set point.

		External trip input Off		External trip input On	
Pick-up current (I _{act})	Sensors	Single-phase	Three-phase	Single-phase	Three-phase
	CUa	12 A	9 A	15 A	11 A
	CUb	38 A	19 A	48 A	23 A