



# Circuit diagrams

Graphic symbols for circuit diagrams  
(Standards IEC 617 and CEI 3-14...3-26)

	Thermal effect		Terminal or clamp		Make contact with held position
	Electromagnetic effect		Socket (female) or pole of a socket		Make position contact (limit contact)
	Time delay		Socket and plug (female and male)		Opening position contact (limit contact)
	Mechanical connection		Temperature dependent resistor		Change-over position contact with temporary interruption (limit contact)
	Manual mechanical control (general case)		Resistor (general symbol)		Switch-disconnector
	Pushbutton actuator		Induction motor, threephase, squirrel cage		Contactor (closing contact)
	Key control		Motor (general symbol)		Circuit-breaker with automatic release
	Cam control		Brush		Control coil (general symbol)
	Earth (general symbol)		Motor energised in series		Instantaneous overcurrent relay
	Equipotentiality		Current transformer with primary formed by 4 through conductors and wound secondary, with socket		Overcurrent relay with adjustable short time-delay trip
	Galvanically separated converter		Current transformer		Overcurrent relay with short inverse time-delay trip
	Shielded cable conductors (example: two conductors)		Make contact		Overcurrent relay with inverse long time delay
	Conductors or stranded cables (example: two conductors)		Break contact		Earth fault overcurrent relay with inverse short time-delay trip
	Connection of conductors		Change-over contact with temporary interruption		Residual current relay