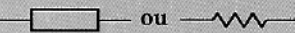

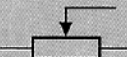


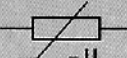
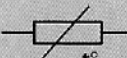
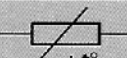
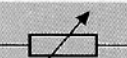








Símbolos gráficos

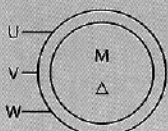
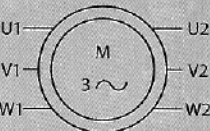
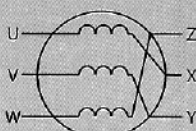
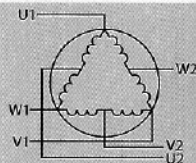
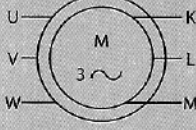
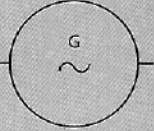
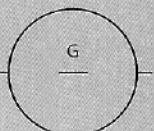
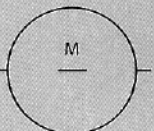
RESISTÊNCIAS

Símbolos	Denominação
 ou 	Resistência
	Potenciômetro de contacto móvel
	Impedância
	Resistência ajustável
	VDR
	NTC
	PTC
	Resistência variável
	LDR

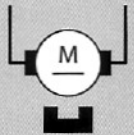
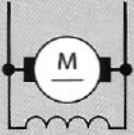
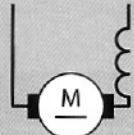
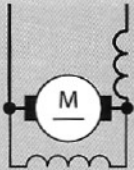
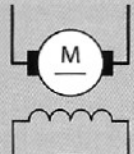
CONDENSADORES

Símbolos	Denominação
	Condensador polarizado
	Condensador ajustável
	Condensador não polarizado
	Condensador
	Condensador variável


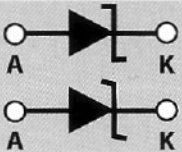




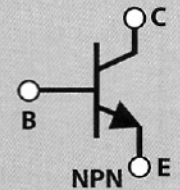
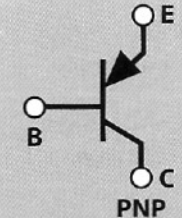
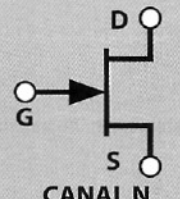
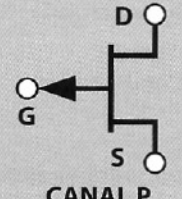
MOTORES

Símbolos	Denominação
	Motor assíncrono trifásico, de gaiola, ligado em triângulo
	Motor assíncrono trifásico de gaiola - 2 enrolamentos estáticos separados
	6 terminais de saída para lição "estrela-triângulo"
	Motor de 2 velocidades ligação DAHLANDER $\Delta / Y Y$
	Motor assíncrono trifásico, de rotor bobinado, com anéis colectores
	Gerador de corrente alternada
	Gerador de corrente contínua
	Motor de c. contínua

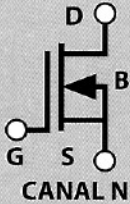
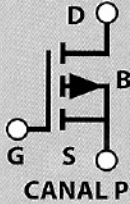
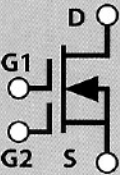

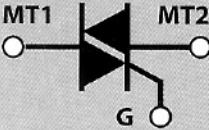
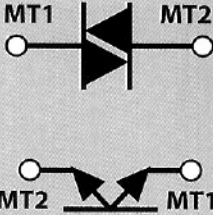
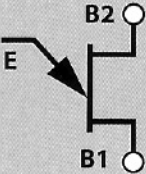
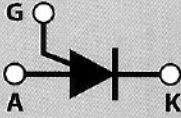


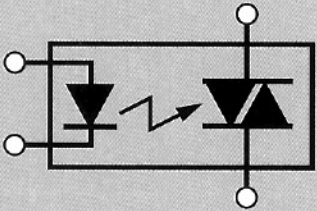
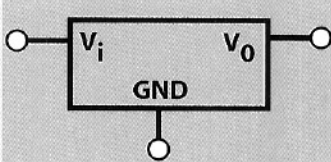
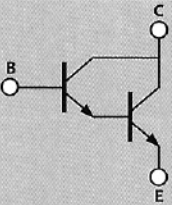
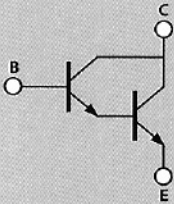
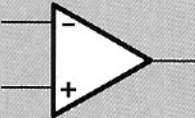
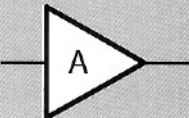
MÁQUINAS DE CORRENTE CONTÍNUA

Símbolos	Denominação	Símbolos	Denominação
	Motor de íman permanente de corrente contínua. Para um gerador substitui-se a letra M por G.		Motor (M) ou gerador (G) de corrente contínua com excitação shunt.
	Motor de corrente contínua com excitação série. Para um gerador substitui-se a letra M por G.		Motor (M) ou gerador (G) de corrente contínua com excitação compound.
	Motor (M) ou gerador (G) de corrente contínua com excitação independente.		

SIMBOLOGIA GERAL DOS SEMICONDUTORES

Símbolos	Denominação	Símbolos	Denominação
	Díodo Rectificador		Díodo Zener
	Díodo Led (Light emission diodo)		Fotodíodo
	Díodo Tunel		Díodo Schottky
	Transistor BJT		Transistor BJT
	Transistor JFET		Transistor JFET

SIMBOLOGIA GERAL DOS SEMICONDUTORES

Símbolos	Denominação	Símbolos	Denominação
 <p align="center">CANAL N</p>	Transistor MOSFET CRESCIMENTO	 <p align="center">CANAL P</p>	Transistor MOSFET CRESCIMENTO
	Transistor MOSFET DUPLA PORTA		Rectificador Controlado de Silício (SCR) (Tristor)
	TRIAC		DIAC
	Transistor Uni-junção (UJT)		Transistor Uni-junção Programável (PUT)
	Comutador Unilateral de Silício (SUS)		Comutador Bilateral de Silício (SBS)
	Optoacoplador (Optotriac)		Regulador de tensão integrado
	Transistor Darlington NPN		Transistor Darlington NPN
	Amplificador operacional		Amplificador