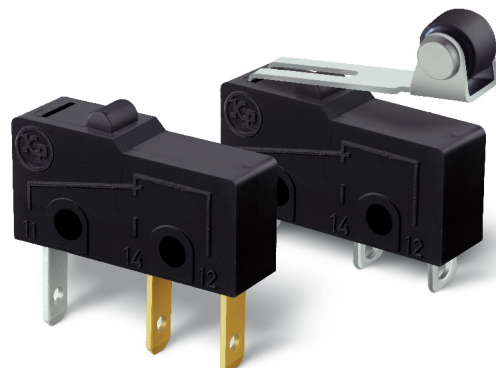


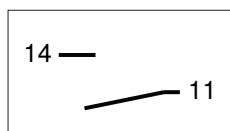
- Circuito inversor com capacidade de 5A
- Mecanismo de ação rápida com mola helicoidal de longa vida
- Ação de rolagem e autolimpeza dos contatos
- Variedade de atuadores e configuração de contatos
- Terminais faston, solda e para circuito impresso
- Dimensões conforme DIN 41635 forma B



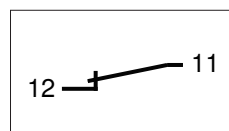
Capacidade Elétrica

5A em 250Vca

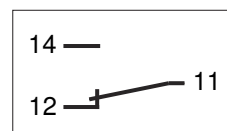
Esquemas Elétricos (IEC 60947-5-1)



Forma A (NA)



Forma B (NF)



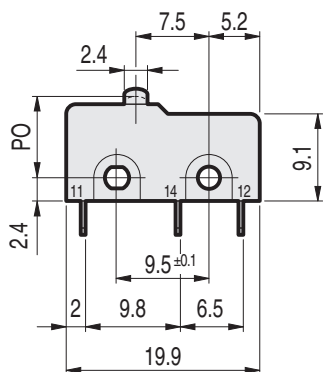
Forma C (NA+NF)

Especificações

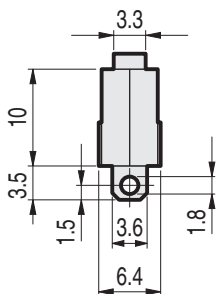
Resistência de Contato	50 mΩ máximo inicial (em 1A 5Vcc)	
Temperatura Ambiente	+85°C máximo	
Grau de Proteção	IP40 (IEC 60529)	
Velocidade de Operação	0,5 mm/s mínimo a 1 m/s máximo (no atuador de Pino)	
Vida Mecânica	10.000.000 ciclos	
Vida Elétrica	50.000 ciclos (em 5A 250Vca)	
Materiais	Invólucro:	Poliamida
	Botão:	Poliamida
	Atuadores:	Alavanca: Aço Inox (tipos E, R e U) Latão niquelado (tipos D, G e J) Rolete: Poliamida
	Terminais:	Latão
Contatos:	Liga de Prata	

Dimensões Básicas

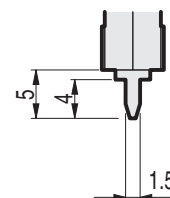
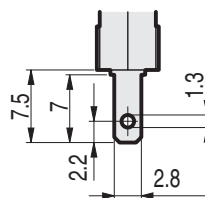
Dimensões em mm



Modelo básico - Atuador de Pino com Terminal para solda



Terminal Faston 2,8 X 0,5 (Quick Connect 0,110")



Terminal para Circuito Impresso

Microrrutor com 3 terminais.

Configuração normal dos contatos:

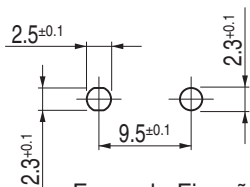
11 = Comum (COM)

12 = Normalmente Fechado (NF)

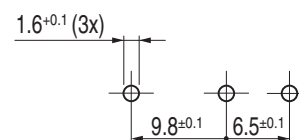
14 = Normalmente Aberto (NA)

Fixação

Dimensões em mm



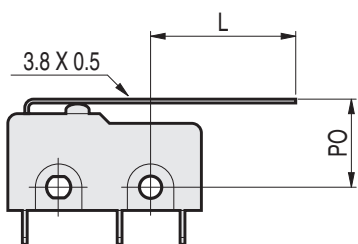
Furos de Fixação da Caixa



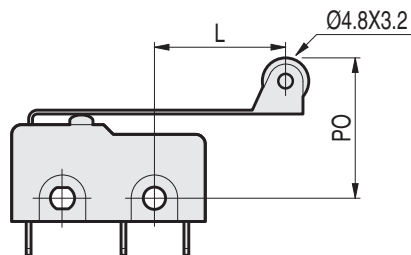
Furos para Placa de Circuito Impresso

Atuadores Incorporados

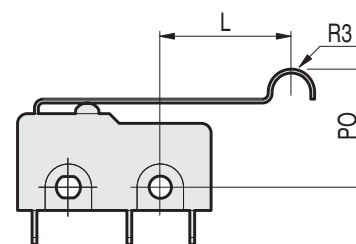
Dimensões em mm



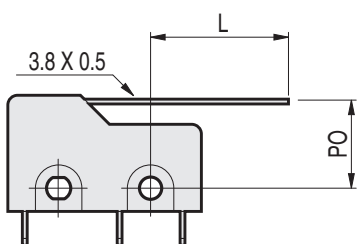
Alavanca plana (Tipo E)



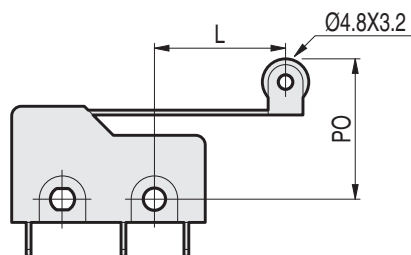
Alavanca com rolete (Tipo R)



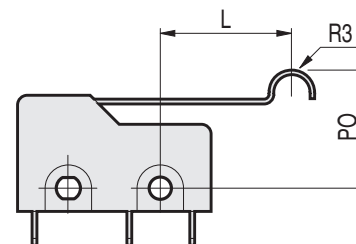
Alavanca c/rolete simulado (Tipo U)



Alavanca plana (Tipo G)



Alavanca com rolete (Tipo J)
























Alavanca c/rolete simulado (Tipo D)




Sujeito a alteração sem informação prévia

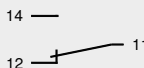
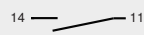
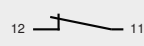
Código para Compra

M M 1 G 3 N S

Aplicação	
Força no Botão	Código
100 gf	= MM2
200 gf	= MM1 ①

Atuador		
Forma		Código
Atuador de Pino		= A ①
Alavanca plana curta		= E1 ①
		= E2
Alavanca plana		= E3
		= E4
Alavanca curta c/rolete		= R1 ①
Alavanca c/rolete		= R3
Alavanca curta c/rolete simulado		= U1
Alavanca c/rolete simulado		= U3
Alavanca plana curta		= G1
		= G2
Alavanca plana		= G3
		= G4
Alavanca curta c/rolete		= J1
		= J2
Alavanca c/rolete		= J3
		= J4
Alavanca curta c/rolete simulado		= D1
		= D2
Alavanca c/rolete simulado		= D3
		= D4

Terminais		
Tipo	Forma	Código
para Solda		= S ①
Faston		= F
Circuito Impr.		= I

Configuração dos Contatos		
NA + NF		= N ①
só NA (Normalmente Aberto)		= N1
só NF (Normalmente Fechado)		= N2

Nota:

① Modelos disponíveis em estoque. Os demais são disponíveis sob consulta prévia.

Aplicações Especiais

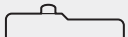



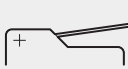
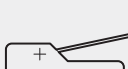

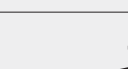
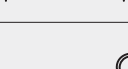
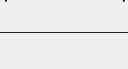
Além dos produtos apresentados neste catálogo, que são os de comercialização prevista, podemos desenvolver modelos "personalizados" para aplicações especiais. Contate-nos para:

- Produtos com a marcação UL (File E212007)
- Invólucro UL94 V-0 ou para 120°C
- Atuadores com formas especiais

Características

Terminologia: FO Força de Operação
PO ... Ponto de Operação
PI Percurso Inicial

PD ... Percurso Diferencial
PS ... Percurso Suplementar
L Comprimento do Atuador

Atuador		FO (gf)		PO (mm)	PI máx (mm)	PD máx (mm)	PS mín (mm)	L (mm)
		MM1	MM2					
	A	200	125	8.4 ± 0.4	0.8	0.15	0.4	-
	E1	56	34	8.9 ± 1.5	2.9	0.5	0.8	5.2 ± 0.4
	E2	43	26	8.9 ± 2.0	3.7	0.7	1.1	10.4 ± 0.4
	E3	37	23	8.9 ± 2.3	4.4	0.8	1.3	14.4 ± 0.4
	E4	33	20	8.9 ± 2.6	4.9	0.9	1.4	17.6 ± 0.4
	R1	55	34	14.4 ± 1.6	2.9	0.5	0.8	5.4 ± 0.6
	R3	39	24	14.4 ± 2.2	4.1	0.8	1.2	12.6 ± 0.6
	U1	52	33	11.9 ± 1.7	3.1	0.6	0.9	6.4 ± 0.6
	U3	38	24	11.9 ± 2.3	4.2	0.8	1.2	13.6 ± 0.6
	G1	53	33	8.9 ± 1.6	3.0	0.6	0.6	7.2 ± 0.5
	G3	39	24	8.9 ± 2.2	4.1	0.8	0.8	14.4 ± 0.5
	G2	21	13	8.9 ± 2.0	7.6	1.4	0.1	10.4 ± 0.5
	G4	15	10	8.9 ± 2.7	10.4	1.9	0.15	17.6 ± 0.5
	J1	58	36	14.4 ± 1.6	2.8	0.5	0.6	5.4 ± 0.6
	J3	42	26	14.4 ± 2.1	3.8	0.7	0.8	12.6 ± 0.6
	J2	23	14	14.4 ± 1.9	6.9	1.3	0.1	8.6 ± 0.6
	J4	16	10	14.4 ± 2.6	9.7	1.8	0.1	15.8 ± 0.6
	D1	55	34	11.9 ± 1.6	2.9	0.5	0.6	6.4 ± 0.6
	D3	40	25	11.9 ± 2.1	4.0	0.8	0.8	13.6 ± 0.6
	D2	22	14	11.9 ± 2.0	7.3	1.4	0.1	9.6 ± 0.6
	D4	16	10	11.9 ± 2.7	10.1	1.9	0.1	16.8 ± 0.6

Sujeito a alteração sem informação prévia