

特点

- 特别适用于高温 (150°C) - 适用于极端环境
- 尺寸: 高 19 x 长 26.6mmmm x 宽 6.35mmmm
- 螺钉安装在固定表面上
- 聚四氟乙烯涂层引线
- 电缆长度 500mm

RS Pro 200V 、 no 、 500mA

RS 库存号: 530-8949



RS 认证产品为您提供所有产品类别的专业品质部件。我们的产品系列经过工程师测试、提供与杰出品牌相当的质量、而无需支付高昂的价格。

商品描述属性 1

RS Pro 扁平传感器是磁性操作簧片接近开关，设计用于高温 (150°C)，并具有安装孔，用于螺钉紧固。传感器应安装在固定表面上，驱动磁铁应安装在移动表面上。通过显示或移除磁场，可确定簧片开关的闭合和打开。

一般规格

开关类型	磁性
切换形状	扁平
刀和掷配置	单刀单掷
正常状态配置	常开
触点位置	常开
材料	环氧树脂（外壳）、radox（电缆）
应用	仪器仪表、过程控制、机器人、装配线、工厂自动化、工业自动化

电气规格

输出类型	单刀单掷 - 常开
Terminal	螺钉
电缆	5 mm 剥线和镀锡电线

联系数据	20°C 时的条件	最小	典型值	最大值) 以上
最大电流				0.5A
最大负载电流				1.25A
最大交流电压	交流			180V
最大直流电压	dc			180V
触点电阻				150mOhm

机械规格

尺寸	28.5mm x 19mm x 6.25mm
长度	28.6mm
深度	6.25mm
宽度	6.35mm
电缆长度	800mm
总长度	28.5mm

操作环境规格

最高工作温度	-40°C
最低工作温度	150°C
电击	50g (½ 正弦波、持续时间 11ms)
振动	20g (从 10-2000 Hz)
焊接温度	°为 260 5sec c

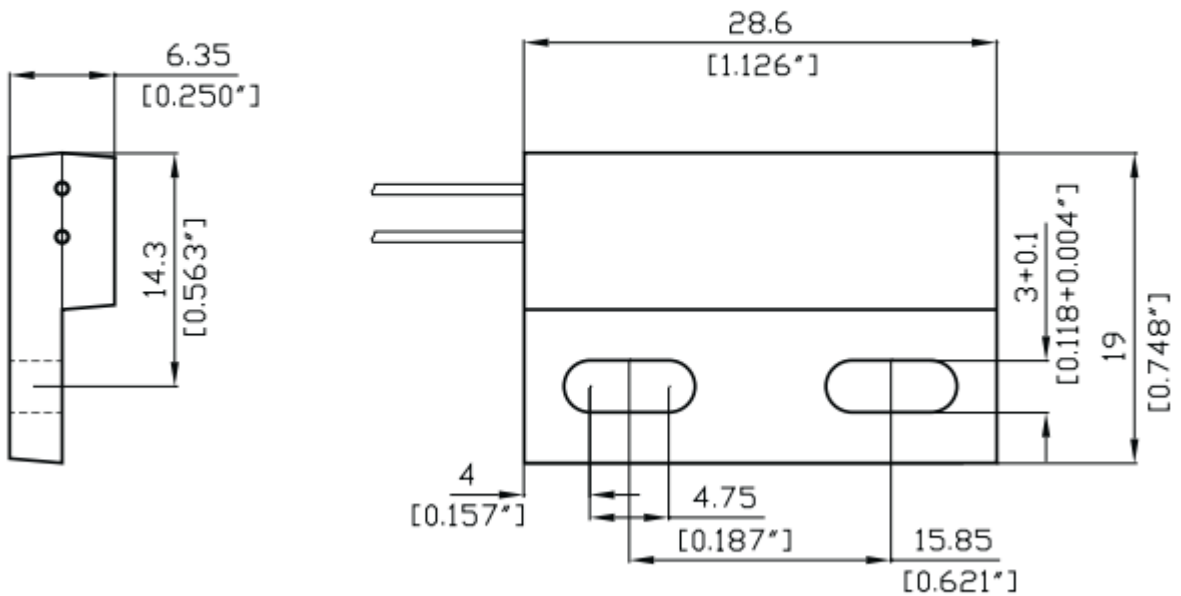
认证

合规性 / 认证	rohs
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DIMENSIONS

All dimensions in mm [inch]



W		The cable cut length includes: 5 mm of wire stripped and tinned.
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ORDER INFORMATION

Part Number Example

MK21M - 1A66 C - 500 W
 MK21P - 1A66 C - 500 W

M = molded
 P = potted

66 is the switch model
 C is the magnetic sensitivity
 500 is the cable length (mm)

Series	Contact-form	Switch Model	Magnetic Sensitivity	Cable Length (mm)	Termination
MK21x-	xx	xx	x -	xxx	W
Options	1 Form A	66	B, C, D, E	500*	
	1 Form B** 1 Form C**	52, 85 90	C, D, E C, D, E		

* Other cable lengths available
 ** Potted version

MAGNETIC SENSITIVITY

Sensitivity Class	Pull In AT Range
B	10 - 15
C	15 - 20
D	20 - 25
E	25 - 30

All Data at 20° C	Switch Model → Contact Form →	Switch 52 Form A			Switch 66 Form A			Unit
		Min.	Typ.	Max.	Min.	Typ.	Max.	
Switching Power	Any DC combination of V & A not to exceed their individual max.'s			50 70 (VA)			10	W
Switching Voltage	DC or peak AC			250			200	V
Switching Current	DC or peak AC			0.5			0.5	A
Carry Current	DC or peak AC			2.5			1.25	A
Static Contact Resistance	w/ 0.5 V & 10 mA			200			150	mΩ
Dynamic Contact Resistance	Measured w/ 0.5 V & 50 mA, 1.5 ms after closure						200	mΩ
Insulation Resistance across Contact	100 volts applied	10 ¹⁰			10 ^{10*}			Ω
Breakdown Voltage across Contact	Voltage applied for 60 sec. min.	600			225*			VDC
Operate Time incl. Bounce	Measured w/ 100 % overdrive			1.0			0.5	ms
Release Time	Measured w/ no coil suppression			0.1			0.1	ms
Capacitance	at 10 kHz cross contact		0.2			0.2		pF
Contact Operation **								
Must Operate Condition	Steady state field	10		30	10		60	AT
Must Release Condition	Steady state field	4		27	4		54	AT
Environmental Data								
Shock Resistance	1/2 sinus wave duration 11 ms			50			50	g
Vibration Resistance	From 10 - 2000 Hz			20			20	g
Ambient Temperature	M 10°C/ minute max. allowable	-20		85	-30		150	°C
Ambient Temperature	P 10°C/ minute max. allowable	-35		85	-20		85	°C
Stock Temperature	10°C/ minute max. allowable			260	-40		160	°C
Soldering Temperature	5 sec.			260			260	°C

Please note: The indicated electrical data are maximum values and can vary downwards when using a more sensitive switch.
 * Insulation resistance of 10¹² and breakdown voltage of 480 VDC is available.
 ** These ranges refer to the uncut / unmodified Reed Switches described in our Reed Switch section. Consult factory if more detail is required.

All Data at 20° C	Switch Model → Contact Form →	Switch 52 Form A			Switch 66 Form A			Unit
		Min.	Typ.	Max.	Min.	Typ.	Max.	
Switching Power	Any DC combination of V & A not to exceed their individual max.'s			50 70 (VA)			10	W
Switching Voltage	DC or peak AC			250			200	V
Switching Current	DC or peak AC			0.5			0.5	A
Carry Current	DC or peak AC			2.5			1.25	A
Static Contact Resistance	w/ 0.5 V & 10 mA			200			150	mΩ
Dynamic Contact Resistance	Measured w/ 0.5 V & 50 mA, 1.5 ms after closure						200	mΩ
Insulation Resistance across Contact	100 volts applied	10 ¹⁰			10 ^{10*}			Ω
Breakdown Voltage across Contact	Voltage applied for 60 sec. min.	600			225*			VDC
Operate Time Incl. Bounce	Measured w/ 100 % overdrive			1.0			0.5	ms
Release Time	Measured w/ no coil suppression			0.1			0.1	ms
Capacitance	at 10 kHz cross contact		0.2			0.2		pF
Contact Operation **								
Must Operate Condition	Steady state field	10		30	10		60	AT
Must Release Condition	Steady state field	4		27	4		54	AT
Environmental Data								
Shock Resistance	1/2 sinus wave duration 11 ms			50			50	g
Vibration Resistance	From 10 - 2000 Hz			20			20	g
Ambient Temperature	M 10°C/ minute max. allowable	-20		85	-30		150	°C
Ambient Temperature	P 10°C/ minute max. allowable	-35		85	-20		85	°C
Stock Temperature	10°C/ minute max. allowable			260	-40		160	°C
Soldering Temperature	5 sec.			260			260	°C
Please note: The indicated electrical data are maximum values and can vary downwards when using a more sensitive switch. * Insulation resistance of 10 ¹² and breakdown voltage of 480 VDC is available. ** These ranges refer to the uncut / unmodified Reed Switches described in our Reed Switch section. Consult factory if more detail is required.								

All Data at 20° C	Switch Model → Contact Form →	Switch 85 Form A			Switch 90 Form B/C, potted			Unit
		Min.	Typ.	Max.	Min.	Typ.	Max.	
Switching Power	Any DC combination of V & A not to exceed their individual max.'s			100			20	W
Switching Voltage	DC or peak AC			400			175	V
Switching Current	DC or peak AC			1.0			0.5	A
Carry Current	DC or peak AC			2.5			1.0	A
Static Contact Resistance	w/ 0.5 V & 10 mA			150			150	mΩ
Dynamic Contact Resistance	Measured w/ 0.5 V & 50 mA, 1.5 ms after closure			200			250	mΩ
Insulation Resistance across Contact	100 volts applied	10 ¹⁰			10 ⁹			Ω
Breakdown Voltage across Contact	Voltage applied for 60 sec. min.	4000			200			VDC
Operate Time incl. Bounce	Measured w/ 100 % overdrive			1.0			0.7	ms
Release Time	Measured w/ no coil suppression			0.1			1.5	ms
Capacitance	at 10 kHz cross contact		0.2			1.0		pF
Contact Operation **								
Must Operate Condition	Steady state field	20		60	15		40	AT
Must Release Condition	Steady state field	12		54				AT
Environmental Data								
Shock Resistance	1/2 sinus wave duration 11 ms			50			50	g
Vibration Resistance	From 10 - 2000 Hz			20			20	g
Ambient Temperature	M 10°C/ minute max. allowable	-20		85	-20		85	°C
Ambient Temperature	P 10°C/ minute max. allowable	-35		85	-35		85	°C
Stock Temperature	10°C/ minute max. allowable			260			260	°C
Soldering Temperature	5 sec.			260			260	°C
Please note: The indicated electrical data are maximum values and can vary downwards when using a more sensitive switch. * Insulation resistance of 10 ¹² and breakdown voltage of 480 VDC is available. ** These ranges refer to the uncut / unmodified Reed Switches described in our Reed Switch section. Consult factory if more detail is required.								