

		Features		Benefits		Applicat	tions
		·2 part magneticall proximity sensor		<ul> <li>Quick and easy to instate</li> <li>Quick and easy to instate</li> <li>No standby power require</li> <li>Operates through non-firmaterials such as wood aluminum</li> <li>Hermetically sealed, may operated contacts contire</li> <li>long after optical and ot technologies fail due to</li> </ul>			
DIMENSIO							
	12 +0,2	500±5		SCHEMATICS		Switch Type	
Ø2.6-0.1	-	5		black		1	
	R OPTIONS-Swit	ching Specification	S				
ABLE 1			Normally Ope	Normally Open Hig n Voltage	h Chang	e Over	lormally Closed
Switch Type			1	C C			
Power		Watt - max.	1.0				
oltage	Switching Breakdown	Vdc - max. Vdc - max.	24 150				
Current	Switching Carry	A - max. A - max.	0.5 0.1				

Current	Switching	A - max.	0.5
Current	Carry	A - max.	0.1
Resistance	Contact, Initial	Ω - max.	0.2
Resistance	Insulation	Ω - max.	10 <sup>10</sup>
Capacitance	Contact	pF - typ.	0.3
Temperature	Operating	°C	-30 to +80
lemperature	Storage	°C	-30 to +80
Time	Operate	ms - max.	0.3
	Release	ms - max.	0.3
Shock	11ms 1/2 sine	G - max.	100
Vibration	50-2000 Hz	G - max.	30

#### **★** CUSTOMER OPTIONS-Sensitivity, Cable Length and Termination Specifications

l	ABLE 2				,					TABLE 3		TABLE 4		
Sensitivity Options:						Cable Type: 30AWG 7/0.10 PVC 80℃		Termination Options: SELECT Description						
ι	Jsing Sentek M	101 actu	ator					<b>←</b> D		UL1061		OPTION	Description (2 wire version illustrated)	
-	As illustrated									Stand	dard Lengths	Α	Tinned leads	
	Switch AT before Select Option	ore mod	fication		г				V	SELECT	CABLE LENGTH		Untinned leads	
0			S Activate		Activate		Activate		v Activate	OPTION	(in) mm	F	Ontinned leads	
	Switch Type	Pull in AT	Distance	Pull in AT	Distance		Distance	Pull in AT	Distance	01	(9.84)250	G	Twisted and Tinned	
		Range	d mm	Range	d mm	Range	d mm	Range	d mm	03	(11.18)300	т	Connector	
1	Normally Open	08-10		10-13		13-15		15-20		04	(19.68)500	Note:	e end length available upon request	
	.,	00-10		10-10		10-10		10-20		05	(39.37)1,000			

N.B. M01 actuator sold separately		
Sensitivity Cable Length	RS01       -       1       -       X X       X         — Table 1	



#### **RS02** series

#### **Features and Benefits**



#### **Features**

- proximity sensor
- ·UL listed reed switch
- ·Customer defined sensitivity
- ·Choice of cable length

#### **Benefits**

aluminum

·2 part magnetically operated ·Quick and easy to install ·No standby power requirement

Operates through non-ferrous

long after optical and other

materials such as wood, plastic or

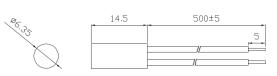
·Hermetically sealed, magnetically operated contacts continue to operate

technologies fail due to contaminatior

# Applications

- ·Position and limit sensing
- ·Security
- ·Level sensing
- ·Linear actuators

#### ★ DIMENSIONS mm



SCHEMATICS	Switch Type
black	1

## ★ CUSTOMER OPTIONS-Switching Specifications

TABLE 1 Contact Type			Normally Open	Normally Open High Voltage	Change Over	Normally Closed
Switch Type			1			
Power		Watt - max.	10			
Valtara	Switching	Vdc - max.	100			
Voltage	Breakdown	Vdc - max.	200			
Our man and	Switching	A - max.	0.5			
Current	Carry	A - max.	1.0			
Desistance	Contact, Initial	Ω - max.	0.2			
Resistance	Insulation	<b>Ω</b> - max.	10 <sup>10</sup>			
Capacitance	Contact	pF - typ.	0.3			
<b>T</b>	Operating	°C	-30 to +80			
Temperature	Storage	°C	-30 to +80			
Time	Operate	ms - max.	0.3			
	Release	ms - max.	0.3			
Shock	11ms 1/2 sine	G - max.	100			
Vibration	50-2000 Hz	G - max.	30			

#### **★** CUSTOMER OPTIONS-Sensitivity, Cable Length and Termination Specifications

TABLE 2				(	_				TABLE 3		TABLE 4			
	Sensitivity Options:						Cable Type:		Termination Options:					
Activate Distar Using Sentek [						-	<b>→</b> D		22AWG 1 UL1007	7/0.16PVC 80℃	SELECT OPTION	<b>Description</b> (2 wire version illustrated)		
As illustrated									Stand	dard Lengths	Α	Tinned leads		
Switch AT bef Select Option	ore mod	ification S		Г		U		V	SELECT OPTION	CABLE LENGTH (in) mm	F	Untinned leads		
Switch Type	Pull in AT	Activate Distance	Pull in AT	Activate Distance	Pull in AT	Activate Distance	Pull in AT	Activate Distance	01	(9.84)250	G	Twisted and Tinned		
	Range	a mm	Range	d mm	Range	a mm	Range	a mm	03	(11.18)300	т	Connector		
1 Normally Open	07-10	20	10-13	17	13-15	14	15-20	10	04	(19.68)500	Note:			
	07-10	20	10-13	17	13-15	14	15-20	10	05	(39.37)1,000	1. Wire end length available upon request 2. Connector per customer request			

N.B. D6.35X12.7mm actuator sold se	parately	
Sensitivity Cable Length	RS02       -       1       -       X X       X         — Table 1	



## **RS10** series

		Features	В	enefits	Appl	ications
		proximity se UL listed ree	nsor N ed switch C efined sensitivity m able length a H o lo lo	Quick and easy to install No standby power required Operates through non-ferr naterials such as wood, p Iluminum Hermetically sealed, mage operated contacts continu ong after optical and othe echnologies fail due to co	ment sensi rous ·Secu plastic or ·Level ·Linea netically le to operate er	-
	DNS (in) mm		.0±0.1			
	**************************************			wire on the flat of the sensor	SCHEMATICS	1
			1			
	62±1 R OPTIONS-Switc	hing Specification	- Marking S			
CUSTOME		hing Specification	1	Normally Open High Voltage	Change Over	Normally Closed
CUSTOME		hing Specification	S		Change Over	-
CUSTOME ABLE 1 contact Type witch Type		hing Specification	S Normally Open		Change Over - -	
ABLE 1 Contact Type witch Type ower			S Normally Open 1		Change Over - - -	-
ABLE 1 Contact Type witch Type ower	R OPTIONS-Switc	Watt - max.	<b>S</b> Normally Open 1 10 200 200		Change Over - - - -	-
ABLE 1 ontact Type witch Type ower oltage	Switching	Watt - max. Vdc - max.	S Normally Open 1 10 200 200 0.5		Change Over - - - - - -	-
ABLE 1 ontact Type witch Type ower oltage	Switching Breakdown Switching Carry	Watt - max. Vdc - max. Vdc - max. A - max. A - max.	S Normally Open 1 10 200 200 0.5 0.5		Change Over - - - - - - - - -	-
ABLE 1 ontact Type witch Type ower oltage urrent	Switching Breakdown Switching Carry Contact, Initial	Watt - max. Vdc - max. Vdc - max. A - max. A - max. Ω - max.	S Normally Open 1 10 200 200 0.5 0.5 0.5 0.2		Change Over - - - - - - - - -	•
CUSTOME ABLE 1 Sontact Type witch Type lower foltage	Switching Breakdown Switching Carry Contact, Initial Insulation	Watt - max. Vdc - max. Vdc - max. A - max. A - max. Ω - max. Ω - max.	S Normally Open 1 10 200 200 0.5 0.5 0.5 0.2 10 <sup>10</sup>		Change Over - - - - - - - - - - - - - -	-
ABLE 1 ontact Type witch Type ower oltage urrent esistance	Switching Breakdown Switching Carry Contact, Initial Insulation Operating	Watt - max. Vdc - max. Vdc - max. A - max. A - max. Ω - max. Ω - max. Ω - max. °C	S Normally Open 1 10 200 200 0.5 0.5 0.5 0.5 0.2 10 <sup>10</sup> -30 to +80		Change Over - - - - - - - - - - - - - - - - - - -	•
CUSTOME COUSTOME Contact Type witch Type ower coltage current Resistance emperature	Switching Breakdown Switching Carry Contact, Initial Insulation Operating Storage	Watt - max. Vdc - max. Vdc - max. A - max. A - max. Ω - max. Ω - max. °C °C	S Normally Open 1 10 200 200 0.5 0.5 0.5 0.5 0.2 10 <sup>10</sup> -30 to +80 -30 to +80		Change Over - - - - - - - - - - - - - - - - - - -	-
CUSTOME COUSTOME Contact Type witch Type ower coltage current Resistance emperature	Switching Breakdown Switching Carry Contact, Initial Insulation Operating Storage Operate	Watt - max. Vdc - max. Vdc - max. A - max. A - max. Ω - max. Ω - max. °C °C ms - max.	S Normally Open 1 10 200 200 0.5 0.5 0.5 0.5 0.2 10 <sup>10</sup> -30 to +80 -30 to +80 1		Change Over - - - - - - - - - - - - - - - - - - -	-
CUSTOME	Switching Breakdown Switching Carry Contact, Initial Insulation Operating Storage Operate Release	Watt - max. Vdc - max. Vdc - max. A - max. A - max. Ω - max. Ω - max. °C °C ms - max. ms - max.	S Normally Open 1 10 200 200 0.5 0.5 0.5 0.2 10 <sup>10</sup> -30 to +80 -30 to +80 1 1		Change Over - - - - - - - - - - - - - - - - - - -	
CUSTOME	Switching Breakdown Switching Carry Contact, Initial Insulation Operating Storage Operate	Watt - max. Vdc - max. Vdc - max. A - max. A - max. Ω - max. Ω - max. °C °C ms - max.	S Normally Open 1 10 200 200 0.5 0.5 0.5 0.5 0.2 10 <sup>10</sup> -30 to +80 -30 to +80 1		Change Over - - - - - - - - - - - - - - - - - - -	Normally Closed -

	TABLE 2									
S	Sensitivity Options:									
Activate Distance are approximate										
Using Sentek D6.35X12.7mm actuator										
As illustrated										
Switch AT before modification										
S	elect Option		S	-	Т		U	V		
	Switch Type	Pull in AT Range	Activate Distance d mm							
1	Normally Open	07-10	17	10-13	15	13-15	12	15-17	8	
2	High Voltage									
3	Change Over									
4	Normally Closed									

TABLE	3	TABLE4							
Cable Ty		Termination Options:							
24AWG 1 UL1061	1/0.16 PVC 80℃	SELECT OPTION	Description (2 wire version illustrated)						
Stand	dard Lengths	Α	Tinned leads						
SELECT OPTION	CABLE LENGTH (in) mm	F	Untinned leads						
01	(9.84)250	G	Twisted and Tinned						
03	(11.18)300	т	Connector						
04	(19.68)500	Note:							
05	(39.37)1,000	1. Wire end length available upon reques 2. Connector per customer request							

#### ★ ORDERING INFORMATION

N.B. D6.35X12.7mm actuator sold separeately



proximity sensor

·UL listed reed switch

·Choice of cable length

### **RS20** series

#### **Features and Benefits**



#### **Features**

#### **Benefits**

·2 part magnetically operated ·Quick and easy to install

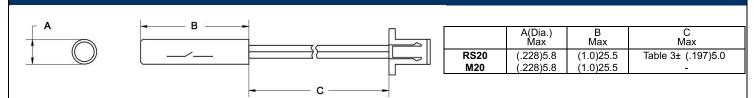
#### Applications

- ·Position and limit
- sensing
- ·Security
- ·Level sensing
- ·Linear actuators
- ·Customer defined sensitivity materials such as wood, plastic or aluminum ·Hermetically sealed, magnetically operated contacts continue to operate long after optical and other technologies fail due to contaminatior

·No standby power requirement

·Operates through non-ferrous

★ DIMENSIONS (in) mm



#### **★ CUSTOMER OPTIONS-Switching Specifications**

TABLE 1 Contact Type			Normally Open	Normally Open High Voltage	Change Over	Normally Closed
Switch Type			1	2	3	4
Power		Watt - max.	10	10	3	3
Valtaria	Switching	Vdc - max.	200	300	30	30
Voltage	Breakdown	Vdc - max.	250	450	150	150
Current	Switching	A - max.	0.5	0.5	0.2	0.2
	Carry	A - max.	1.0	1.5	0.5	0.5
Desistance	Contact, Initial	Ω-max.	0.2	0.2	0.2	0.2
Resistance	Insulation	Ω-max.	10 <sup>10</sup>	10 <sup>10</sup>	10 <sup>9</sup>	10 <sup>9</sup>
Capacitance	Contact	pF - typ.	0.3	0.2	1.5	1.5
Tanananatuna	Operating	°C	-30 to +105	-20 to +105	-30 to +105	-30 to +105
Temperature	Storage	°C	-30 to +105	-30 to +105	-30 to +105	-30 to +105
Time	Operate	ms - max.	1.0	1.0	3.0	3.0
	Release	ms - max.	1.0	1.0	3.0	3.0
Shock	11ms 1/2 sine	G - max.	100	100	50	50
Vibration	50-2000 Hz	G - max.	30	30	30	30

#### **★** CUSTOMER OPTIONS-Sensitivity, Cable Length and Termination Specifications

T	ABLE 2				,					TABLE	3	TABLE 4			
	ensitivity Opt									Cable Type:		Termination Options:			
	ctivate Distance are approximate sing Sentek M20 actuator							<b>→</b> D		24AWG 11/0.16 PVC 105℃ UL1430/UL1569		SELECT OPTION	<b>Description</b> (2 wire version illustrated)	End length (in) mm	
-	s illustrated witch AT before modification							Stand SELECT	dard Lengths	Α	Tinned leads	(.157) 4.0			
S	Select Option S		-		T	U		V		OPTION	(in) mm	F	Untinned leads	(.157) 4.0	
	Switch Type			Pull in AT	Activate Distance		Activate Distance d	Pull in AT	Activate Distance d	01	(9.84)250	G	Twisted and Tinned	(.157) 4.0	
		Range	mm	Range	d mm	Range	mm	Range	mm	03	(11.18)300	т	Connector		
1	Normally Open		(.315)		(.236)		(.197)		(.157)	04	(19.68)500	Note:			
2	High Voltage	10-15	8.0	15-20	6.0	2025	5.0	25-30	4.0	05	(39.37)1,000		nd length available up ctor per customer requ		
3	Change Over	10-15	(.276)	15-20	(.276)	20-25	(.216)				1	2. connector per customer request			
4	Normally Closed	10-15	8.5	15-20	7.0	20 20	5.5								

N.B. M20 actuator sold separately	SCHEMATICS	Switch Type
RS20         -         X         -         XX         X           Series RS20	black black	1&2
Switch Type — Table 1 Sensitivity — Table 2	white red black	3
Cable Length — Table 3	black black black	4
Termination — Table 4 —		



### **RS22series**

#### **Features and Benefits**



#### **Features**

- ·2 part magnetically operated ·Quick and easy to install
- proximity sensor
- ·UL listed reed switch
- ·Customer defined sensitivity ·Choice of cable length

#### **Benefits**

·No standby power requirement

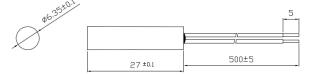
·Operates through non-ferrous materials such as wood, plastic or aluminum

·Hermetically sealed, magnetically operated contacts continue to operate long after optical and other technologies fail due to contaminatior

#### Applications

- ·Position and limit sensing ·Security
- ·Level sensing
- ·Linear actuators

# ★ DIMENSIONS (in) mm



#### ★ CUSTOMER OPTIONS-Switching Specifications

TABLE 1 Contact Type			Normally Open	Normally Open High Voltage	Change Over	Normally Closed
Switch Type			1	2	3	4
Power		Watt - max.	10	10	3	3
Valtara	Switching	Vdc - max.	200	300	30	30
Voltage	Breakdown	Vdc - max.	250	450	150	150
Current	Switching	A - max.	0.5	0.5	0.2	0.2
Current	Carry	A - max.	1.0	1.5	0.5	0.5
Resistance	Contact, Initial	<b>Ω -</b> max.	0.2	0.2	0.2	0.2
Resistance	Insulation	<b>Ω -</b> max.	10 <sup>10</sup>	10 <sup>10</sup>	10 <sup>9</sup>	10 <sup>9</sup>
Capacitance	Contact	pF - typ.	0.3	0.2	1.5	1.5
Temperature	Operating Storage	℃ ℃	-30 to +105 -30 to +105	-20 to +105 -30 to +105	-30 to +105 -30 to +105	-30 to +105 -30 to +105
Time	Operate	ms - max.	1.0	1.0	3.0	3.0
	Release	ms - max.	1.0	1.0	3.0	3.0
Shock	11ms 1/2 sine	G - max.	100	100	50	50
Vibration	50-2000 Hz	G - max.	30	30	30	30

#### ★ CUSTOMER OPTIONS-Sensitivity, Cable Length and Termination Specifications

s A	FABLE 2         Sensitivity Option         Activate Distance         Jsing Sentek D	ce are a	•		⋟	⊒	<b>†</b>	D			TABLE Cable Typ 24AWG 1 UL1430/U
4	As illustrated										Stan
Switch AT before modification											SELECT
S	Select Option		S	Т		U			V	OPTION	
	Switch Type AT Dist		Activate Distance d	Pull in AT	Activate Distance d	Pull in AT	Activate Distance d	Pull in AT	Activate Distance d		01
		Range	mm	Range	mm	Range	mm	Range	mm		03
1	Normally Open	10-15	(.669)	15-20	(.472)	2025		25-30			04
2	High Voltage		17.0	10-20	12.0	2020		20-00			05
3	3 Change Over	10-15	(.591)		(.394)						
4	Normally Closed	10-15	15.0	15-20	10.0	20-25					

TABLE	3	TABLE	4				
Cable Typ		Termination Options:					
24AWG 1 UL1430/U	1/0.16 PVC 105℃ IL1569	SELECT         Description           OPTION         (2 wire version illustrated)					
Stand	dard Lengths	А	Tinned leads				
SELECT OPTION	CABLE LENGTH (in) mm	F	Untinned leads				
01	(9.84)250	G	Twisted and Tinned				
03	(11.18)300	т	Connector				
04	(19.68)500	Note:					
05	(39.37)1,000	<ol> <li>Wire end length available upon request</li> <li>Connector per customer request</li> </ol>					
2. Connector per customer request							

N.B. D6.35X19.05mm actuator sold separately	SCHEMATICS	Switch Type
Series RS22	black	1&2
Switch Type — Table 1	white	2
Sensitivity — Table 2 — J	red black	3
Cable Length — Table 3 — Table 3	black black	4
Termination — Table 4 — Table 4	bidon	41

# sente

# **Reed Sensor**

### **RS40** series

#### **Features and Benefits**



#### Features

- ·2 part magnetically operated ·Quick and easy to install
- proximity sensor ·UL listed reed switch
- ·Customer defined sensitivity
- ·Choice of cable length

#### Benefits

·No standby power requirement

# Applications

sensing ·Security

·Level sensing

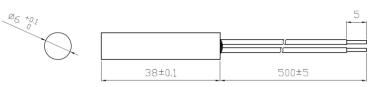
·Linear actuators

·Operates through non-ferrous materials such as wood, plastic or aluminum

·Hermetically sealed, magnetically operated contacts continue to operate long after optical and other technologies fail due to contaminatior

Position and limit

## ★ DIMENSIONS (in) mm



#### **★** CUSTOMER OPTIONS-Switching Specifications

TABLE 1 Contact Type			Normally Open	Normally Open High Voltage	Change Over	Normally Closed
Switch Type			1	2	3	4
Power		Watt - max.	10	10	3	3
Voltaga	Switching	Vdc - max.	200	300	30	30
Voltage	Breakdown	Vdc - max.	250	450	150	150
Current	Switching	A - max.	0.5	0.5	0.2	0.2
	Carry	A - max.	1.0	1.5	0.5	0.5
Resistance	Contact, Initial	Ω - max.	0.2	0.2	0.2	0.2
Resistance	Insulation	<b>Ω -</b> max.	10 <sup>10</sup>	10 <sup>10</sup>	10 <sup>9</sup>	10 <sup>9</sup>
Capacitance	Contact	pF - typ.	0.3	0.2	1.5	1.5
Tanan aratura	Operating	°C	-30 to +105	-20 to +105	-30 to +105	-30 to +105
Temperature	Storage	°C	-30 to +105	-30 to +105	-30 to +105	-30 to +105
Time	Operate	ms - max.	1.0	1.0	3.0	3.0
	Release	ms - max.	1.0	1.0	3.0	3.0
Shock	11ms 1/2 sine	G - max.	100	100	50	50
Vibration	50-2000 Hz	G - max.	30	30	30	30

# ★ CUSTOMER OPTIONS-Sensitivity, Cable Length and Termination Specifications

TABLE 2         Sensitivity Options:         Activate Distance are approximate         Using Sentek D6.35x12.7mm actuator         As illustrated         Switch AT before modification										
	Select Option S			-	Т	U			V	
	Switch Type	Pull in AT Range	Activate Distance d mm							
1	Normally Open		(.512		(.315)					
2	High Voltage	10-15	13.0	15-20	8.0	20-25		25-30		
3	Change Over	40.45	(.472)		(.276)					
4	Normally Closed	10-15	12.0	15-20	7.0	20-25				

TABLE	3	TABLE 4						
Cable Typ		Terminat	ion Options:					
24AWG 17 UL1430/U	I/0.16 PVC 105℃ L1569	SELECT OPTION						
Standard Lengths		Α	Tinned leads					
SELECT OPTION	CABLE LENGTH (in) mm	F	Untinned leads					
01	(9.84)250	G	Twisted and Tinned					
03	(11.18)300	т	Connector					
04	(19.68)500	Note:	·					
05	(39.37)1,000	<ol> <li>Wire end length available upon request</li> <li>Connector per customer request</li> </ol>						

N.B. D6.35X12.7mm actuator sold separately	SCHEMATICS Switch Type
R\$40         -         X         -         XX         X           Series RS40	black 1&2
Switch Type — Table 1 — Table 1	white red black 3
Sensitivity — Table 2 — Ta	black
Cable Length — Table 3 —	black 4
Termination — Table 4 —	· · · · · · · · · · · · · · · · · · ·

# **RS50** series

#### **Features and Benefits**



#### Features

NPSM thread

proximity sensor

UL listed reed switch

·Choice of cable length

Bras housing with 1/8"-27

·Customer defined sensitivity

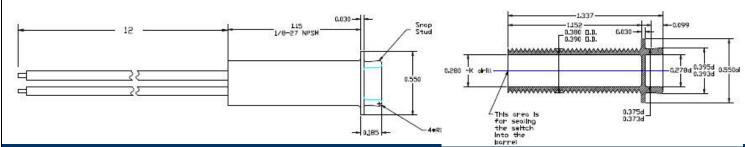
#### **Benefits**

- ·Quick and easy to install N o standby power requirement
- ·2 part magnetically operated ·Operates through non-ferrous materials such as wood, plastic or aluminum ·Hermetically sealed, magnetically operated contacts continue to operate long after optical and other technologies fail due to contamination

#### Applications

Position and limit sensing ·Security ·Level sensing ·Linear actuators

#### ★ DIMENSIONS (in) mm



#### ★ CUSTOMER OPTIONS-Switching Specifications

TABLE 1 Contact Type			Normally Open	Normally Open High Voltage	Change Over	Normally Closed
Switch Type			1	2	3	4
Power		Watt - max.	10	10	3	3
Voltaga	Switching	Vdc - max.	200	300	30	30
Voltage	Breakdown	Vdc - max.	250	450	150	150
Current	Switching	A - max.	0.5	0.5	0.2	0.2
	Carry	A - max.	1.0	1.5	0.5	0.5
Resistance	Contact, Initial	<b>Ω -</b> max.	0.2	0.2	0.2	0.2
Resistance	Insulation	<b>Ω -</b> max.	10 <sup>10</sup>	10 <sup>10</sup>	10 <sup>9</sup>	10 <sup>9</sup>
Capacitance	Contact	pF - typ.	0.3	0.2	1.5	1.5
Temperature	Operating	°C	-30 to +105	-20 to +105	-30 to +105	-30 to +105
remperature	Storage	°C	-30 to +105	-30 to +105	-30 to +105	-30 to +105
Time	Operate	ms - max.	1.0	1.0	3.0	3.0
	Release	ms - max.	1.0	1.0	3.0	3.0
Shock	11ms 1/2 sine	G - max.	100	100	50	50
Vibration	50-2000 Hz	G - max.	30	30	30	30

#### **★** CUSTOMER OPTIONS-Sensitivity, Cable Length and Termination Specifications

S A U A	ABLE 2 ensitivity Options ctivate Distance a sing Sentek M50 a s illustrated witch AT before r	re approximate actuator			D	TABLE 3 Cable Type: 24AWG 11/0.16 PVC 105°C UL1430/UL1569 Standard Lengths		TABLE4         Termination Options:         SELECT Description OPTION (2 wire version illustrated)         A       Tinned leads			
	Select Option S		Т	U	V	SELECT	ě		Timed leads		
	Switch Type	Pull in AT	Pull in AT	Pull in AT	Pull in AT	OPTION	(in) mm	F	Untinned leads		
	ownon rypo	Range	Range	Range	Range	01	(9.84)250	G	Twisted and Tinned		
1	Normally Open	10.15	45.00	00.05	05.00	03	(11.18)300	т			
2	High Voltage	10-15	15-20	20-25	25-30	0.1	(40.00)500	Nata:	Connector		
3	Change Over					04	(19.68)500	Note: 1 Wire en	d length available upon	reques	
4	Normally Closed	10-15	15-20 20-25			05	(39.37)1,000		2. Connector per customer reque		

#### ★ ORDERING INFORMATION Switch N.B. M50 actuator sold separately SCHEMATICS Туре **RS50** - X - X - XX X black Series RS50 1&2 black Switch Type — Table 1 white red black 3 Sensitivity — Table 2 black 4 Cable Length ---- Table 3 black Termination

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# **Reed Sensor**

#### **RS60A** series

#### ★ Features and Benefits



#### Features

- · magnetically operated
- position sensor
- ·UL listed reed switch .Screw down or adhesive mounting
- ·Customer defined sensitivity
- ·Choice of cable length
- **Benefits**
- ·No standby power requirement
- ·Operates through non-ferrous
- materials such as wood, plastic or aluminum

#### Applications

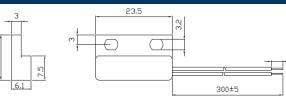
- Position and limit
- sensing
- Security
- ·Level sensing

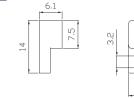
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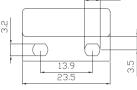
·Hermetically sealed, magnetically ·Linear actuators operated contacts continue to operate.Door switch long after optical and other

technologies fail due to contaminatior

#### ★ DIMENSIONS (in) mm







Actuator

#### ★ CUSTOMER OPTIONS-Switching Specifications

Sensor

TABLE 1 Contact Type			Normally Open	Normally Open High Voltage	Change Over	Normally Closed
Switch Type			1		3	4
Power		Watt - max.	10		3	3
Valtaga	Switching	Vdc - max.	200		30	30
Voltage	Breakdown	Vdc - max.	250		150	150
Current	Switching	A - max.	0.5		0.2	0.2
Current	Carry	A - max.	1.0		0.5	0.5
Desistance	Contact, Initial	Ω - max.	0.2		0.2	0.2
Resistance	Insulation	Ω - max.	10 <sup>10</sup>		10 <sup>9</sup>	10 <sup>9</sup>
Capacitance	Contact	pF - typ.	0.3		1.5	1.5
<b>T</b> t	Operating	°C	-30 to +105		-30 to +105	-30 to +105
Temperature	Storage	°C	-30 to +105		-30 to +105	-30 to +105
Time	Operate	ms - max.	1.0		3.0	3.0
	Release	ms - max.	1.0		3.0	3.0
Shock	11ms 1/2 sine	G - max.	100		50	50
Vibration	50-2000 Hz	G - max.	30		30	30

#### **★** CUSTOMER OPTIONS-Sensitivity, Cable Length and Termination Specifications

_	ABLE 2							<b> </b>	d	T
	Sensitivity Opt					•	C			
A	ctivate Distance	ce are a	oproximat	e			0		0	2
ι	Jsing Sentek M	160 actu	ator			•			0	U
A	s illustrated						0		)	
S	witch AT befo	ore mod	ification						10	s
S	elect Option		S	-	Г		U		č	
	Switch Type	Pull in AT Range	Activate Distance d mm							
1	Normally Open	07-10	(.591)	10-13	(.472)	13-15	(.315)	15-20	(.236)	
			15.0	10-13 12		10-10	8.0	10-20	6.0	
3	Change Over	10-15	(.394)	15 20	(.276)	20.25	(.216)			
4	Normally Closed	10 10	10.0	15-20	7.0	20-25	5.5			

TABLE	3	TABLE	4				
Cable Typ		Terminat	Termination Options:				
24AWG11 UL1430/U	/0.16 PVC 105℃ L1569	SELECT OPTION	<b>Description</b> (2 wire version illustrated)				
Stand	dard Lengths	Α	Tinned leads				
SELECT OPTION	CABLE LENGTH (in mm	F	Untinned leads				
01	(9.84)250	G	Twisted and Tinned				
03	(11.18)300	т	Connector				
04	(19.68)500	Note:					
05	(39.37)1,000	1. Wire end length available upon request 2. Connector per customer request					

### **★**ORDERING INFORMATION

N.B. M60 actuator sold separately	SCHEMATICS	Switch Type
RS60A         -         X         -         XX         X           Series RS60A	black	1
Switch Type — Table 1	white red black	3
Sensitivity — Table 2 — J	black	
Cable Length — Table 3 —	black	4
Termination — Table 4		,

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## RS60B series

#### **Features and Benefits**



#### **Features**

- · magnetically operated
- position sensor
- ·UL listed reed switch .Screw down or adhesive mounting
- ·Customer defined sensitivity
- ·Choice of cable length

#### **Benefits**

- No standby power requirement
- Operates through non-ferrous
- materials such as wood, plastic or aluminum

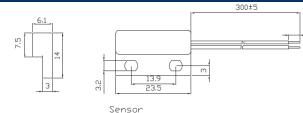
#### Applications

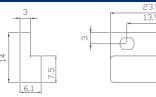
- Position and limit sensing
- ·Security
- ·Level sensing
- ·Linear actuators

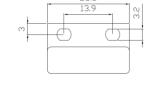
·Hermetically sealed, magnetically operated contacts continue to operate.Door switch long after optical and other

technologies fail due to contaminatior

#### ★ DIMENSIONS (in) mm







Actuator

#### **★** CUSTOMER OPTIONS-Switching Specifications

TABLE 1 Contact Type			Normally Open	Normally Open High Voltage	Change Over	Normally Closed
Switch Type			1		3	4
Power		Watt - max.	10		3	3
Valtaga	Switching	Vdc - max.	200		30	30
Voltage	Breakdown	Vdc - max.	250		150	150
Current	Switching	A - max.	0.5		0.2	0.2
Current	Carry	A - max.	1.0		0.5	0.5
Resistance	Contact, Initial	<b>Ω -</b> max.	0.2		0.2	0.2
Resistance	Insulation	<b>Ω -</b> max.	10 <sup>10</sup>		10 <sup>9</sup>	10 <sup>9</sup>
Capacitance	Contact	pF - typ.	0.3		1.5	1.5
<b>T</b> e	Operating	°C	-30 to +105		-30 to +105	-30 to +105
Temperature	Storage	°C	-30 to +105		-30 to +105	-30 to +105
Time	Operate	ms - max.	1.0		3.0	3.0
	Release	ms - max.	1.0		3.0	3.0
Shock	11ms 1/2 sine	G - max.	100		50	50
Vibration	50-2000 Hz	G - max.	30		30	30

#### ★ CUSTOMER OPTIONS-Sensitivity, Cable Length and Termination Specifications

TABLE 2							•	– <mark>d</mark>	TABLE	3	TABLE	4	
Sensitivity Op	tions:								Cable Typ		Terminat	tion Options:	
Activate Distan Using Sentek M		••	te			0		0	24AWG11 UL1430/U	I/0.16 PVC 105℃ IL1569	SELECT OPTION	<b>Description</b> (2 wire version illustrated)	
As illustrated						0		0	Stand	dard Lengths	Α	Tinned leads	
Switch AT before Select Option		ification S	-	Г		U		V	SELECT OPTION	CABLE LENGTH (in) mm	F	Untinned leads	
Switch Type	Pull in AT	Activate Distance	01	(9.84)250	G	Twisted and Tinned							
	Range	d mm	Range	d mm	Range	d mm	Range	d mm	03	(11.18)300	т	Connector	
1 Normally Open		(.591)		(.472)		(.315)		(.236)	04	(19.68)500	Note:	I	
	07-10	15.0	10-13	12.0	13-15	8.0	15-20	6.0	05	(39.37)1,000		d length available upor tor per customer reque	•
3 Change Over	10.15	(.394)		(.276)		(.216)			L	1	2. Connec	to per customer reque	551
4 Normally Closed	10-15	10.0	15-20	7.0	20-25	5.5							

#### **★** ORDERING INFORMATION

N.B. M60 actuator sold separately           RS60B         -         X         -         X         X         X	SCHEMATICS	Switch Type
Series RS60B	black	1&2
Switch Type — Table 1	white	
Sensitivity — Table 2 —	red black	3
Cable Length — Table 3 —	black	4
Termination — Table 4 — Table 4	black	<u> </u>

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# **Reed Sensor**

### **RS80** series

#### **Features and Benefits**

#### Features

- . magnetically operated
- proximity sensor UL listed reed switch
- ·Customer defined sensitivity
- ·Choice of cable length

#### **Benefits**

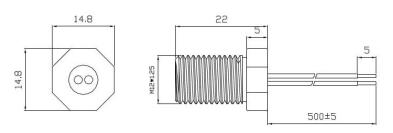
- ·Quick and easy to install
- ·No standby power requirement
- ·Operates through non-ferrous materials such as wood, plastic or aluminum Hermetically sealed, magnetically

operated contacts continue to operate long after optical and other technologies fail due to contamination

#### Applications

·Position and limit sensing ·Security Level sensing ·Linear actuators

#### ★ DIMENSIONS (in) mm



#### **★** CUSTOMER OPTIONS-Switching Specifications

TABLE 1 Contact Type			Normally Open	Normally Open High Voltage	Change Over	Normally Closed
Switch Type			1		3	4
Power		Watt - max.	10		3	3
Vallara	Switching	Vdc - max.	200		30	30
Voltage	Breakdown	Vdc - max.	250		150	150
O	Switching	A - max.	0.5		0.2	0.2
Current	Carry	A - max.	1.0		0.5	0.5
Desistance	Contact, Initial	Ω - max.	0.2		0.2	0.2
Resistance	Insulation	<b>Ω</b> - max.	10 <sup>10</sup>		10 <sup>9</sup>	10 <sup>9</sup>
Capacitance	Contact	pF - typ.	0.3		1.5	1.5
<b>T</b>	Operating	°C	-30 to +105		-30 to +105	-30 to +105
Temperature	Storage	°C	-30 to +105		-30 to +105	-30 to +105
Time	Operate	ms - max.	1.0		3.0	3.0
	Release	ms - max.	1.0		3.0	3.0
Shock	11ms 1/2 sine	G - max.	100		50	50
Vibration	50-2000 Hz	G - max.	30		30	30

#### **★** CUSTOMER OPTIONS-Sensitivity, Cable Length and Termination Specifications

Se	ABLE 2 ensitivity Option		ý		TABLE Cable Typ	e:	TABLE4 Termination Options:			
Activate Distance are approximate Using Sentek D6.35X19.05mm actuator As illustrated							1/0.16 PVC 105℃ L1569	SELECT OPTION	Description (2 wire version illustrated)	
-	vitch AT before Belect Option	modification S	т	U	V	Stand	9	Α	Tinned leads	
	Switch Type	Pull in AT	Pull in AT	Pull in AT	Pull in AT	SELECT OPTION	CABLE LENGTH (in) mm	F	Untinned leads	
	e mon type	Range	Range	Range	Range	01	(9.84)250	G	Twisted and Tinned	
1	Normally Open	10-15	15-20	20-25	25-30	03	(11.18)300	т	Connector	
						04	(19.68)500	Note:	· ·	
3	Change Over	10.15	45.00	20.25		05	(39.37)1,000	1. Wire en	d length available upon reque	
4	Normally Closed	10-15	15-20	20-25		05	(33.37)1,000	2. Connec	tor per customer request	

N.B. D6.35X19.05mm actuator sold separately		SCHEMATICS	Switch Type
RS80         -         X         -         XX         X           Series RS80		black	1
Switch Type — Table 1 — Table 1	Í	white red	3
Sensitivity — Table 2 —	ĺŀ	black	-
Cable Length — Table 3 — Table 3		black black	4
Termination — Table 4 — Table 4			