REED SWITCH DEVELOPMENTS CORP. 2524 Norwood Court

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	Sensor (Reed) - Specifications	10	91
Physical	Configuration	SPST	
	Form	А	
	Contact Position	CENTER	
	Glass L	7.00	mm
	Glass D	1.80	mm
	Total L*	46.00	mm
	Wire D	0.45	mm
	Gap Location	CEN	TER
	Mount Spec*	THRU	
	Contact Material	RUTHENIUM	
	Max Vibration Resistance	10	G
	Max Shock Resistance (11ms)	100	G
	Lead Tensile Strength	N/A	KG
	Pull in (+/- 2AT)*	7 - 12	AT
	Drop out*	3 - 16	AT
	Operate Time	0.115	ms
Operating	Bounce Time	0.035	ms
	Release Time	0.035	μs
	Resonant Frequency	17900	Hz
	Max Operating Frequency	N/A	Hz
	Operating Temperature Range	-55 - 105	°C
	Storage Temperature	N/A	°C
	DC Contact Rating	10	W
	AC Contact Rating	N/A	VA
	DC Switching Voltage	170	VDC
	AC Switching Voltage	120	VAC
	DC Switching Current	0.500	A
cal	AC Switching Current	0.500	A
Electrica	DC Max Carry Current	0.500	A
	AC Max Carry Current	0.500	A
	Min Breakdown Voltage	210	VDC
	Max Initial Contact Resistance	150	mOhm
	Typical Initial Contact Resistance	120	mOhm
	Max Contact Capacitance	0.350	pF
	Min Insulation Resistance	10^6	Ohm

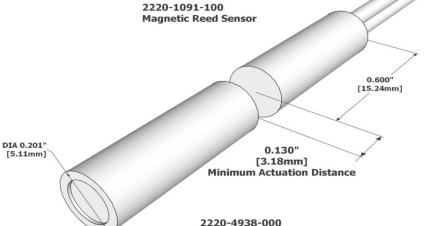
SPECIFICATION SHEET

2220-1091-400

Alternate Part Number: AM2220-1091-10K01

Active / Equivalent Part Numbers:

2220-1091-400 - KIT - Contains (1) 2220-1091-100 - Magnetic Reed Sensor (1) 2220-4938-000 - Magnetic Actuator AM2220-1091-10K01 - KIT - Contains (1) AM2220-1091-10-01 - Magnetic Reed Sensor (1) AM2220-4938-00-01 - Magnetic Actuator



Magnetic Actuator

All measurements are in Inches [millimeters]

REV DATE: 10/06/2021

Sensor - Wire/Cable Characteristics (cont.) Standard Actuator: 2220-4938-000

	Specifications	Description	UM		
Physical/Magnetic	Magnetic Orientation	Through Length			
	Max Operating Temp.	176°/80°	°F/°C		
	Curie Temp.	536°/280°	°F/°C		
	BR max	11	kGauss		
	BH max	30	MG0e		
hys	Coercive Force Hc	10	kOe		
P	Intrinsic Coercive Force Hci	18	kOe		
	Standard Sensor/Actuator - Min. Actuation Distance				
	2220-4938-000	0.13"/3.3mm			
	Assembly Certifications				
	UL Recognized (File #: E102207)	Y			
	RoHS / Reach Compliant	Y			
	Conflict Free Material	Y			

* Pre-processed, bare reed element

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Cylindrical Smooth

Wire

BLK

PVC

24 AWG

7 STR-TC

105°C

6.0"/152.4mm

2105

0.600"/15.24mm 0.201"/5.11mm

Celanex 3316

Туре

Length Colors

Gauge

Conductor Count

Insulation Material

Stranded Copper

Maximum Temp

Length / Thickness

Diameter Material

Housing Characteristics

WBE Certified - State of Wisconsin - MFR CAGE CODE: 32604 www.reedswitchdevelopments.com