REED SWITCH DEVELOPMENTS CORP. 2524 Norward Court

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	Sensor (Reed) - Specifications	11	66
	Configuration	SPST	
	Form	Α	
	Contact Position	CEN	TER
	Glass L	19.00	mm
	Glass D	2.60	mm
<u>न</u>	Total L*	55.00	mm
Physica	Wire D	0.70	mm
	Gap Location	CEN	TER
	Mount Spec*	N/A	
	Contact Material	N/A	
	Max Vibration Resistance	20	G
	Max Shock Resistance (11ms)	50	G
	Lead Tensile Strength	N/A	KG
	Pull in (+/- 2AT)*	15-20	AT
	Drop out*	N/A	AT
١	Operate Time	0.5	ms
l ig	Bounce Time	INCL	ms
Operating	Release Time	0.1	μs
۱ĕ	Resonant Frequency	N/A	Hz
١	Max Operating Frequency	N/A	Hz
	Operating Temperature Range	-40 - 130	°C
	Storage Temperature	-55 - 130	°C
	DC Contact Rating	20	W
	AC Contact Rating	N/A	VA
	DC Switching Voltage	200	VDC
	AC Switching Voltage	140	VAC
	DC Switching Current	1.00	Α
g	AC Switching Current	1.00	Α
Electrica	DC Max Carry Current	1.25	Α
E	AC Max Carry Current	1.25	Α
	Min Breakdown Voltage	220	VDC
	Max Initial Contact Resistance	150	mOhm
	Typical Initial Contact Resistance	N/A	mOhm
	Max Contact Capacitance	0.30	pF
	Min Insulation Resistance	10^12	Ohm

SPECIFICATION SHEET

2451-1166-400

Alternate Part Number: AM2451-1166-10K01

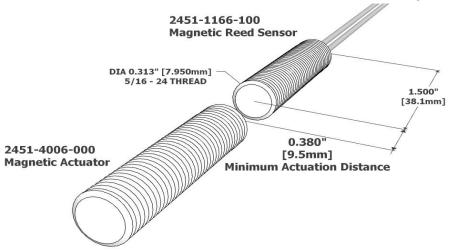
Active / Equivalent Part Numbers:

2451-1166-400 - KIT - Contains

- (1) 2451-1166-100 Magnetic Reed Sensor
- (1) 2451-4006-000 Magnetic Actuator

AM2451-1166-10K01 - KIT - Contains

- (1) AM2451-1166-10-01 Magnetic Reed Sensor
- (1) AM2451-4006-00-01 Magnetic Actuator



All measurements are in Inches [millimeters]

Sensor - Wire/Cable Characteristics (cont.)

Sensor Wire, easie enaracteristics (cont.)		
Туре	Wire	
Conductor Count	2	
Length	6.0"/152.4mm	
Colors	BLK	
Insulation Material	PVC	
Gauge	24 AWG	
Stranded Copper	7 STR-TC	
Maximum Temp	105°C	

Housing Characteristics 2451

Cylindrical Threaded (5/16-24)		
Length / Thickness	1.500"/38.1mm	
Diameter	0.313"/7.95mm	
Material	Aluminum	

Standard Actuator: 2451-4006-000

	Specifications	Description	UM
ical/Mag	Magnetic Orientation	Through Length	
	Max Operating Temp.	975/525	°F/°C
	Curie Temp.	1580/860	°F/°C
	BR max	12.8	kGauss
	BH max	5.5	MG0e
	Coercive Force Hc	640	kOe
Ы	Intrinsic Coercive Force Hci	640	kOe

Standard Sensor/Actuator - Min. Actuation Distance

2451-4006-000	0.38"/9.5mm	
Assembly Certifications		
UL Recognized (File #: E102207)	Υ	
RoHS / Reach Compliant	Υ	
Conflict Free Material	Υ	

REV DATE: 10/06/2021

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^{*} Pre-processed, bare reed element