REED SWITCH DEVELOPMENTS CORP. 2524 Norwood Court Racine, WI 53403 Ph: (262)883-9060 sales@reedswitchdevelopments.com				SPECIFICATION SHEET 2451-1166-400 Alternate Part Number: AM2451-1166-10K01			2451-1166-400 - KI (1) 2451-1166-1 (1) 2451-4006-0 AM2451-1166-10K (1) AM2451-116 (1) AM2451-400	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		
_	Sensor (Reed) - Specifications 1166 Configuration SPST			2451-1166-100 Magnetic Reed Sensor						
	Configuration SPST Form A									
	Contact Position CENTER									
	Glass L	19.00	mm	DIA 0.313" [7.950mm]						
	Glass D	2.60	mm		5/16 - 24 T	HREAD		1.500"		
a	Total L*	55.00	mm					[38.1mm]		
Physical	Wire D	0.70	mm	1			/			
P				0.380"						
	Mount Spec* N/A									
	Contact Material	N/		Magnotic Actuator [9.5mm]						
	Max Vibration Resistance		G	MI			Minimum Actuation Di	stance		
	Max Shock Resistance (11ms)	50	G							
	Lead Tensile Strength	N/A 15-20	KG AT	6		P				
	Pull in (+/- 2AT)* Drop out*	N/A	AT							
Operating	Operate Time	0.5	ms							
	Bounce Time	INCL	ms							
	Release Time	0.1	μs							
	Resonant Frequency	N/A	Hz	All measurements are in Inches [millimeters]						
	Max Operating Frequency N/A Hz			1				-	-	
	Operating Temperature Range -40 - 130 °C			Sensor - Wire/Cable Characteristics (cont.) Standard Actuator: 2451-4006-000						
	Storage Temperature	-55 - 130	°C	Туре	Wire		Specifications	Description	UM	
Electrical	DC Contact Rating	20	W	Conductor Count	2	tic	Magnetic Orientation	Through Length		
	AC Contact Rating	N/A	VA	Length	6.0"/152.4mm	hvsical/Magnetic	Max Operating Temp.	975/525	°F/°C	
	DC Switching Voltage	200	VDC	Colors	BLK	lag	Curie Temp.	1580/860	°F/°C	
	AC Switching Voltage	140	VAC	Insulation Material	PVC		BR max	12.8	kGauss	
	DC Switching Current	1.00	A	Gauge	24 AWG	sica	BH max	5.5	MGOe	
	AC Switching Current	1.00	A	Stranded Copper	7 STR-TC	, v		640	kOe	
ect	DC Max Carry Current	1.25 1.25	A	Maximum Temp	105°C		Intrinsic Coercive Force Hci	640	kOe	
	AC Max Carry Current	reakdown Voltage 220 VDC		Housing Characteristics 2451 Cylindrical Threaded (5/16-24)			Standard Sensor/Actuator - Min. Actuation Distance         2451-4006-000       0.38"/9.5mm         Assembly Certifications       0.38"/9.5mm			
	Min Breakdown Voltage Max Initial Contact Resistance									
	Typical Initial Contact Resistance				1.500"/38.1mm		UL Recognized (File #: E102207) Y			
	Max Contact Capacitance	0.30	pF	Diameter	0.313"/7.95mm		RoHS / Reach Compliant	Y		
	Min Insulation Resistance	10^12	Ohm	Material	Aluminum		Conflict Free Material	Y		
L	* Pro-processed bare read element	-							V DATE: 10/06/20	

REV DATE: 10/06/2021

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\* Pre-processed, bare reed element

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