



REED SWITCH DEVELOPMENTS CORP.

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SPECIFICATION SHEET

2052-1965-400

Alternate Part Numbers:
AM2052-1965-00K01
3730-2052-1965-400-ND

Active / Equivalent Part Numbers:

2052-1965-400 - KIT - Contains

(1) 2052-1965-000 - Magnetic Reed Sensor

(1) 2053-4109-000 - Magnetic Actuator

AM2052-1965-00K01 - KIT - Contains

(1) AM2052-1965-10-01 - Magnetic Reed Sensor

(1) AM2053-4109-00-01 - Actuator

3730-2052-1965-400-ND - KIT - Contains

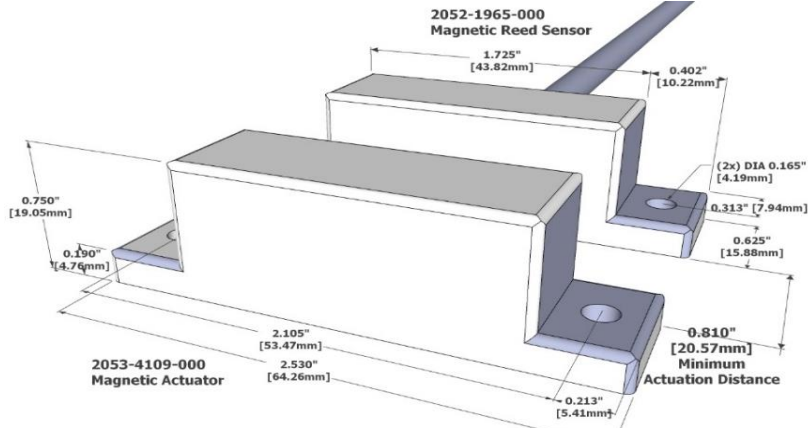
(1) 3730-2052-1965-000-ND - Magnetic Reed Sensor

(1) 3730-2053-4109-000-ND - Actuator

Sensor (Reed) - Specifications 1965

Physical	Configuration	SPST	
	Form	A	
	Contact Position	CENTER	
	Glass L	19.00	mm
	Glass D	2.60	mm
	Total L*	55.00	mm
	Wire D	0.70	mm
	Gap Location	CENTER	
	Mount Spec*	THRU	
	Contact Material	RHODIUM	
	Max Vibration Resistance	35	G
	Max Shock Resistance (11ms)	50	G
	Lead Tensile Strength	N/A	KG
Operating	Pull in (+/- 2AT)*	20 - 25	AT
	Drop out*	15	AT
	Operate Time	2.00	ms
	Bounce Time	0.50	ms
	Release Time	0.10	µs
	Resonant Frequency	4200	Hz
	Max Operating Frequency	300	Hz
	Operating Temperature Range	-40 - 105	°C
	Storage Temperature	N/A	°C
	Electrical	DC Contact Rating	40
AC Contact Rating		40	VA
DC Switching Voltage		400	VDC
AC Switching Voltage		400	VAC
DC Switching Current		2.00	A
AC Switching Current		2.00	A
DC Max Carry Current		3.00	A
AC Max Carry Current		3.00	A
Min Breakdown Voltage		1000	VDC
Max Initial Contact Resistance		80	mOhm
Typical Initial Contact Resistance		N/A	mOhm
Max Contact Capacitance		0.50	pF
Min Insulation Resistance	10 ¹¹	Ohm	

* Pre-processed, bare reed element



All measurements are in Inches [millimeters]

Sensor - Wire/Cable Characteristics (cont.)

Type	Cable
Conductor Count	2
Length	18.0"/457.2mm
Colors	RED, BLK
Insulation Material	PVC
Gauge	20 AWG
Stranded Copper	19 STR
Maximum Temp	105°C

Housing Characteristics 2052

Rectangular w/ Mounting Tabs/Holes	
Length	2.530"/64.26mm
Width	0.625"/15.88mm
Height	0.750"/19.05mm
Material	Celanex 3316

Standard Actuator: 2053-4109-000

	Specifications	Description	UM
Physical/Magnetic	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	MGOe
	Coercive Force Hc	640	kOe
	Intrinsic Coercive Force Hci	640	kOe

Standard Sensor/Actuator - Min. Actuation Distance

2053-4109-000	0.81"/20.6mm
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Assembly Certifications

UL Recognized (File #: E102207)	Y
RoHS / REACH Compliant	Y
Conflict Free Material	Y

REV DATE: 04/20/2023

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