



REED SWITCH DEVELOPMENTS CORP.

2524 Norwood Court
Racine, WI 53403
Ph: (262)883-9060

sales@reedswitchdevelopments.com

SPECIFICATION SHEET

2020-1710-400

Alternate Part Number:

AM2020-1710-10K01
3730-2020-1710-400-ND

Active / Equivalent Part Numbers:

2020-1710-400 - KIT - Contains

(1) 2020-1710-100 - Magnetic Reed Sensor

(1) 2020-4100-000 - Magnetic Actuator

AM2020-1710-10K01 - KIT - Contains

(1) AM2020-1710-10-01 - Magnetic Reed Sensor

(1) AM2020-4100-00-01 - Magnetic Actuator

3730-2020-1710-400-ND - KIT - Contains

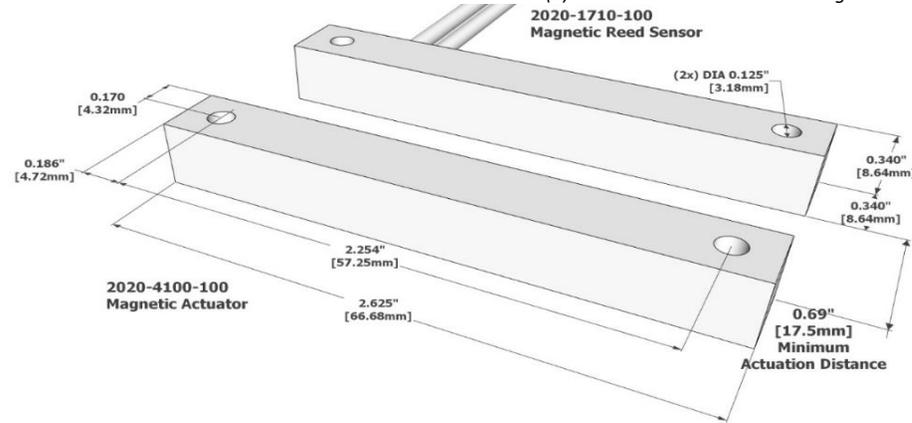
(1) 3730-2020-1710-100-ND - Magnetic Reed Sensor

(1) 3730-2020-4100-000-ND - Magnetic Actuator

Sensor (Reed) - Specifications 1901

Physical		Operating		Electrical	
Configuration	SPDT	Pull in (+/- 2AT)*	50 - 65	DC Contact Rating	100 W
Form	C	Drop out*	N/A	AC Contact Rating	N/A VA
Contact Position	OFFSET	Operate Time	4.00	DC Switching Voltage	120 VDC
Glass L	32.89 mm	Bounce Time	N/A	AC Switching Voltage	85 VAC
Glass D	5.33 mm	Release Time	3.90	DC Switching Current	3.00 A
Total L*	85.98 mm	Resonant Frequency	N/A	AC Switching Current	3.00 A
Wire D	1.02 mm	Max Operating Frequency	N/A	DC Max Carry Current	3.60 A
Gap Location	N/A	Operating Temperature Range	-40 - 105 °C	AC Max Carry Current	3.60 A
Mount Spec*	THRU	Storage Temperature	N/A °C	Min Breakdown Voltage	150 VDC
Contact Material	TUNGSTEN			Max Initial Contact Resistance	500 mOhm
Max Vibration Resistance	N/A G			Typical Initial Contact Resistance	N/A mOhm
Max Shock Resistance (11ms)	N/A G			Max Contact Capacitance	1.60 pF
Lead Tensile Strength	N/A KG			Min Insulation Resistance	10 ¹⁰ Ohm

* Pre-processed, bare reed element



All measurements are in Inches [millimeters]

Sensor - Wire/Cable Characteristics (cont.)

Type	Wire
Conductor Count	3
Length	6.0"/152.4mm
Colors	RED, BLK, WHT
Insulation Material	PVC
Gauge	24 AWG
Stranded Copper	7 STR-TC
Maximum Temp	105°C

Conductor Configuration

Common (COM) - WHITE	
Normally Open (NO) - RED	
Normally Closed (NC) - BLACK	

Housing Characteristics 2020

Rectangular w/ Mounting Holes	
Length	2.625"/66.68mm
Width	0.340"/8.64mm
Height	0.340"/8.64mm
Material	Celanex 3316

2020-1710-100
Magnetic Reed Sensor

2020-4100-100
Magnetic Actuator

Standard Actuator: 2020-4100-000

Specifications	Description	UM
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

Std. Sensor/Actuator - Min. Actuation Dist.

2020-4100-000	0.69"/17.5mm
---------------	--------------

Assembly Certifications

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

REV DATE: 04/20/2023

DISCLAIMER NOTICE: INFORMATION FURNISHED IS PROPRIETARY, AND IS BELIEVED TO BE ACCURATE AND RELIABLE, AND IS SUBJECT TO CHANGE WITHOUT NOTICE. IT SHALL BE THE RESPONSIBILITY OF THE BUYER TO ENSURE THAT THE GOODS ARE SUFFICIENT AND SUITABLE FOR THE PURPOSE OR PURPOSES INTENDED (WHETHER BY THE BUYER OR BY ANY THIRD PARTY) AND THAT THEIR CAPACITY AND PERFORMANCE IS NOT ADVERSELY AFFECTED BY ANY ITEMS USED IN THEIR INSTALLATION (WHERE RELEVANT) AND/OR IN CONNECTION WITH THEM.

WBE Certified - State of Wisconsin - MFR CAGE CODE: 32604

www.reedswitchdevelopments.com