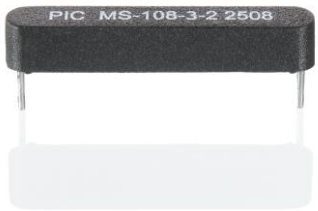


MS-108-3

Reed Sensor pitch 20.32 mm

Electrical Characteristics		@ 25 °C
Contact form		A
Contact rating max.	W / VA	10
Switching voltage max.	VDC	200
	VAC	140
Switching current max.	A	1
Carry current max.	A	1.2
Breakdown voltage min.	VDC	240
Total resistance max. (initial)	mΩ	100
Insulation resistance min.	Ω	10^{10}

Features

- Mechanically protected
- Not ESD sensitive
- Various sensitivity ranges available
- Customized types available

Magnetical Characteristics (of unmodified Reed Switch)		@ 25 °C
Pull in range available	AT	10 - 25
Drop out min.	AT	4
Test coil	TC	014
Test equipment tolerance	± AT	2

Approvals

RoHS

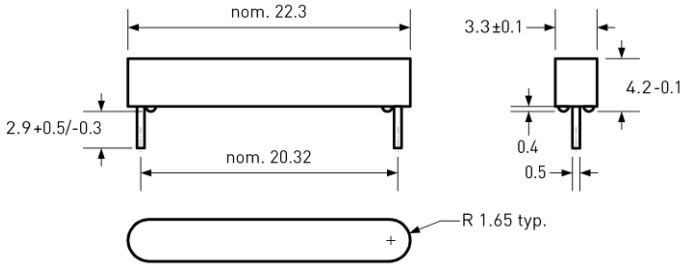
REACH

cULus

Operating Characteristics (of unmodified Reed Switch)		@ 25 °C
Switching frequency max.	Hz	500
Resonant frequency typ.	Hz	4000
Operate time max. (incl. bounce)	ms	1
Release time max.	ms	0.4

Environmental Characteristics		
Operating temperature	°C	-20 to +85
Vibration (50-2000 Hz)	g	20
Shock (1/2 sin 11 ms)	g	100

Dimensions in mm



Ordering Information

Packing Unit	500	pcs
Weight per piece	0.42	g
Weight per package	255	g

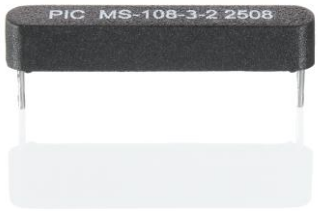
Standard AT Ranges

1 = 10 to 15 AT
2 = 15 to 20 AT
3 = 20 to 25 AT
4 = 25 to 30 AT

Ordering Example

MS-108-3-1 describes MS-108-3 with 10 to 15 AT.

PIC Proximity Instrumentation Controls Kontaktbauelemente GmbH
Nibelungenstr. 5 A 90530 Wendelstein, Germany
Phone +49 911 99 59 06-0 Fax +49 911 99 59 06-99
info@pic-gmbh.com www.pic-gmbh.com



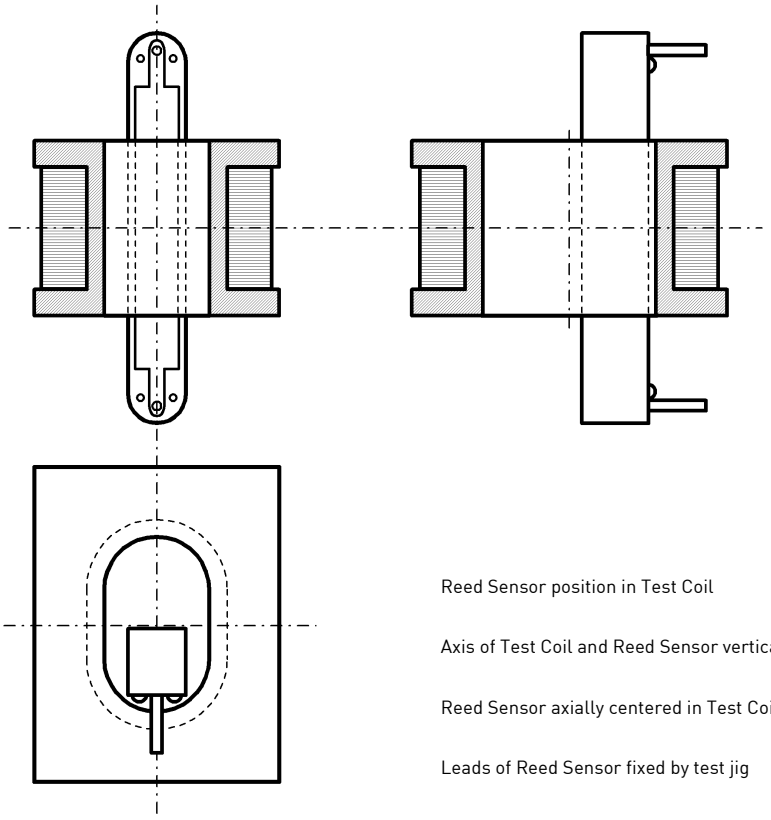
MS-108-3

Reed Sensor pitch 20.32 mm

Material Information

	Material	Colour
Housing	PA-GF	black
Potting compound	Epoxy	black

Test Procedure of final Reed Sensor



Reed Sensor position in Test Coil

Axis of Test Coil and Reed Sensor vertical

Reed Sensor axially centered in Test Coil

Leads of Reed Sensor fixed by test jig

Test Parameters

Test coil	TC- 307
Test programs	

AT range	Test program
1 =	MS-108-3-1
2 =	MS-108-3-2
3 =	MS-108-3-3
4 =	MS-108-3-4

Remarks

When mounted onto ferromagnetic parts switching distance of MS-108-3 may reduce.
Electromagnetical influences and magnetic fields may change the switching behaviour of the sensor.

PIC Proximity Instrumentation Controls Kontaktbauelemente GmbH
Nibelungenstr. 5 A 90530 Wendelstein, Germany
Phone +49 911 99 59 06-0 Fax +49 911 99 59 06-99
info@pic-gmbh.com www.pic-gmbh.com