

RELEASE NUMBER	CO/542	I V I	REPLACES (M) GS SERIES CHART I	DO NOT SCALE PRINT
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Honeywell

GLOBAL SAFETY SWITCH

CATALOGUE LISTING
CHART NO.
MTG - GS - 251

FIGURE 1

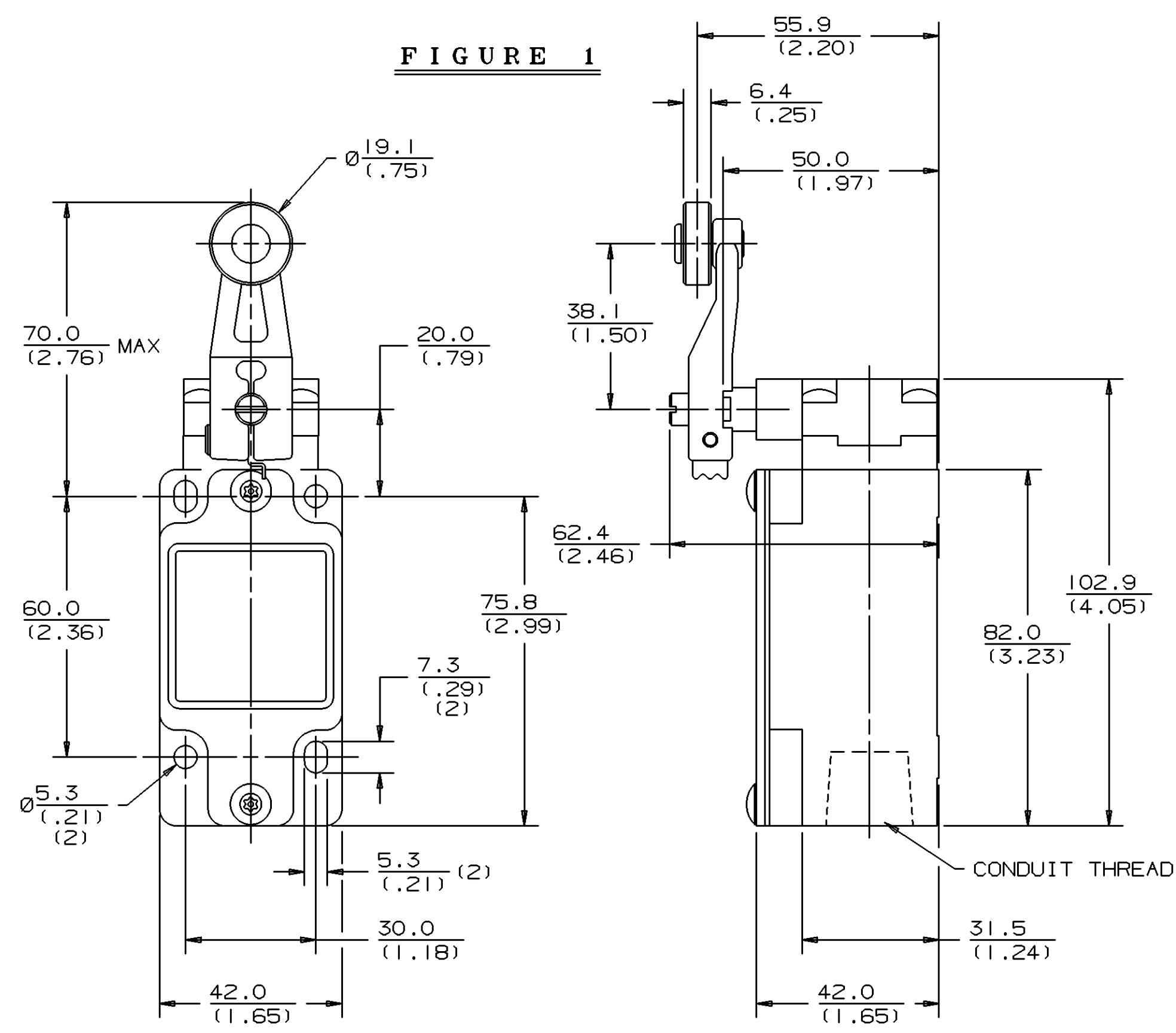


FIGURE 2

BASIC SWITCH	CONTACT BLOCK DIAGRAM
01 07	SNAP ACTION SINGLE POLE
03 33	SLOW ACTION BREAK BEFORE MAKE
04 34	SLOW ACTION MAKE BEFORE BREAK
06 36	SLOW ACTION 2 NORMALLY CLOSED
20 22	SNAP ACTION DOUBLE POLE
21 28	SNAP ACTION DOUBLE POLE SEQUENTIAL

CAM ACTUATION PER EN50041

NOMINAL TRAVELS AND RELATED TERMINALS ■ - CONTACT CLOSED □ - CONTACT OPEN ▨ - CONTACT CLOSED DIFFERENTIAL TRAVEL, ** POSITIVE OPENING TO IEC 947-5-1 DIMENSIONS IN mm		MAXIMUM OPERATING FORCE $\frac{N}{LB}$	MAXIMUM DISCONNECT FORCE $\frac{N}{LB}$
→ 21-22 13-14	← 12 DIFFERENTIAL TRAVEL	$\frac{9.7}{2.2}$	$\frac{11.4}{2.6}$
→ 21-22 13-14	32	$\frac{9.7}{2.2}$	$\frac{11.4}{2.6}$
→ 21-22 13-14	45**	$\frac{9.7}{2.2}$	$\frac{11.4}{2.6}$
→ 21-22 11-12	32**	$\frac{9.7}{2.2}$	$\frac{11.4}{2.6}$
→ 11-12, 21-22 13-14, 23-24	← 12 DIFFERENTIAL TRAVEL	$\frac{9.7}{2.2}$	$\frac{11.8}{2.7}$
→ 11-12 13-14 21-22 23-24	← 7 DIFFERENTIAL TRAVEL ← 8.5 DIFFERENTIAL TRAVEL	$\frac{9.7}{2.2}$	N/A

ANGULAR ACTUATION

NOMINAL TRAVELS AND RELATED TERMINALS ■ - CONTACT CLOSED □ - CONTACT OPEN ▨ - CONTACT CLOSED DIFFERENTIAL TRAVEL, ** POSITIVE OPENING TO IEC 947-5-1 DIMENSIONS IN mm		MAXIMUM OPERATING TORQUE NM LB-IN	MAXIMUM DISCONNECT TORQUE NM LB-IN
→ 0° F.P. 26° 55° ** 85° O.T. 21-22 13-14 ← 12° DIFFERENTIAL TRAVEL	.330 2.9	.385 3.4	
→ 0° F.P. 26° 38° ** 85° O.T. 21-22 13-14 38°	.330 2.9	.385 3.4	
→ 0° F.P. 38° 50° ** 85° O.T. 21-22 13-14 26°	.330 2.9	.385 3.4	
→ 0° F.P. 26° 38° ** 85° O.T. 21-22 11-12	.330 2.9	.385 3.4	
→ 0° F.P. 26° 55° ** 85° O.T. 11-12, 21-22 13-14, 23-24 ← 12° DIFFERENTIAL TRAVEL	.330 2.9	.400 3.5	
→ 0° F.P. 27° 55° ** 85° O.T. 11-12 13-14 21-22 23-24 ← 7° DIFFERENTIAL TRAVEL ← 8° DIFFERENTIAL TRAVEL	.330 2.9	N/A	

MIN. OPERATING VELOCITY = 8.5mm/S (0.33in/S)
MAX. OPERATING VELOCITY = 0.85M/S (33.5in/S)
MAX. OPERATING FREQUENCY = 250 OPS/MINUTE

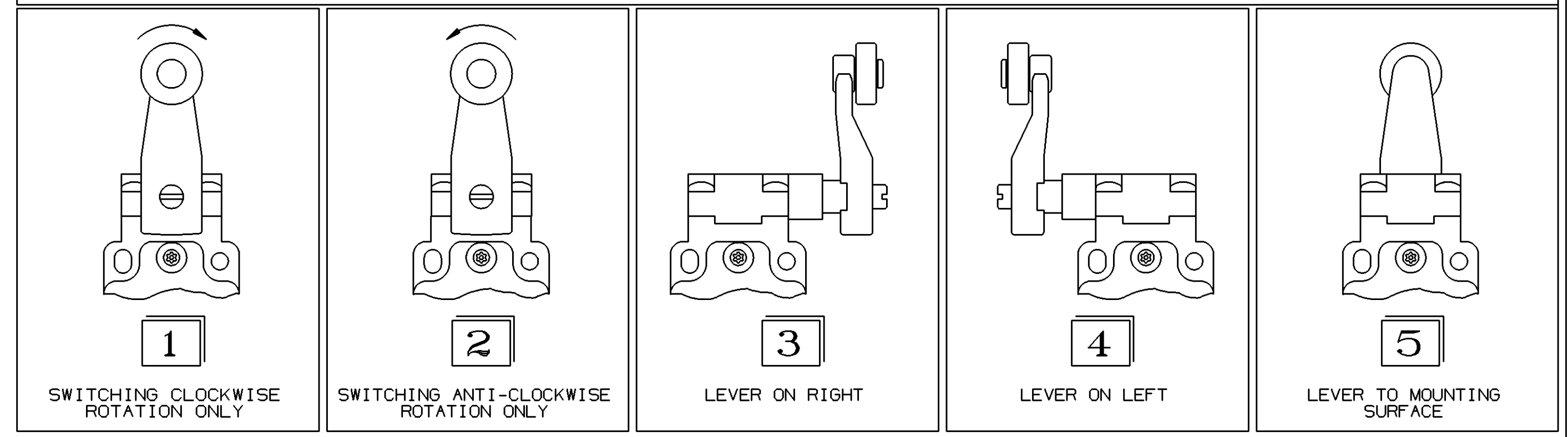
MIN. OPERATING ACTUATION = 13° /SECOND
MAX. OPERATING ACTUATION = 1290° /SECOND
MAX. OPERATING FREQUENCY = 250 OPS/MINUTE

NOTES :-

1. RED EPOXY PAINT FINISHED ZINC DIE-CAST BODY AND STEEL COVER.
BLACK EPOXY PAINT FINISHED ZINC DIE-CAST HEAD.
2. FREE POSITION (F.P.), OPERATING POINT, OVERTRAVEL (O.T.) AND
PRETRAVEL ALL TO ENS0041.
3. ANY STANDARD LISTING WITH SUFFIX 'RS' OR 'FE' IS PERMITTED.
4. FOR CONNECTION DIAGRAMS AND ADDITIONAL ELECTRICAL, DIMENSIONAL
AND ENVIRONMENTAL INFORMATION REFER TO DRAWING GL-49212.
5. LEVERS MAY BE ATTACHED TO THE SHAFT AT 90° INCREMENTS. THEY
MAY ALSO BE ATTACHED, BUT NOT KEYPED, ANYWHERE ON THE SHAFT.
6. HEAD AND COVER FIXED WITH TORX® SOCKET HEAD SCREWS (DRIVER SUPPLIED).

NO CHANGES CAN BE MADE TO
THIS DRAWING WITHOUT JOINT
NEWHOUSE/FREEPORT APPROVAL

F I G U R E 3



IEC 947-5-1 ELECTRICAL RATING						GOLD PLATED CONTACTS		ENVIRONMENTAL		APPROVALS	
SILVER CONTACTS						$I_{th} = 10A$ $1V\ 10\mu A\ MIN.$ $50V\ 100mA\ MAX.$		IP67 NEMA/UL 1,4,12,13 TEMP RANGE : $-25^{\circ}C$ TO $85^{\circ}C$ $-13^{\circ}F$ TO $185^{\circ}F$ STORAGE : $-40^{\circ}C$ TO $85^{\circ}C$ $-40^{\circ}F$ TO $185^{\circ}F$ SHOCK : 50G PER IEC 68-2-27 VIBRATION : 10G PER IEC 68-2-6		  IEC 947-5-1 EN50041	
AC		AC (FOR 2NC)		DC							
A600 U _e	AC15 I _e	A300 U _e	AC15 I _e	O300 U _e	DC13 I _e						
VOLTS 120 240 380 480 500 600	AMPS 6 3 1.9 1.5 1.4 1.2	VOLTS 120 240	AMPS 6 3	VOLTS 24 125 250	AMPS 2.8 0.55 0.27						
THE COPYRIGHT OF THIS DRAWING IS THE PROPERTY OF HONEYWELL LTD. THE DRAWING IS SUPPLIED IN CONFIDENCE AND MUST NOT BE REPRODUCED OR DISPOSE OTHER THAN THAT FOR WHICH IT IS SUPPLIED.						THIRD ANGLE PROJECTION 		SCALE:- 1/1		DIMENSIONS ARE IN $\frac{MM}{(INCHES)}$	
										MODIFY ON CAD SYSTEM ONLY	

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