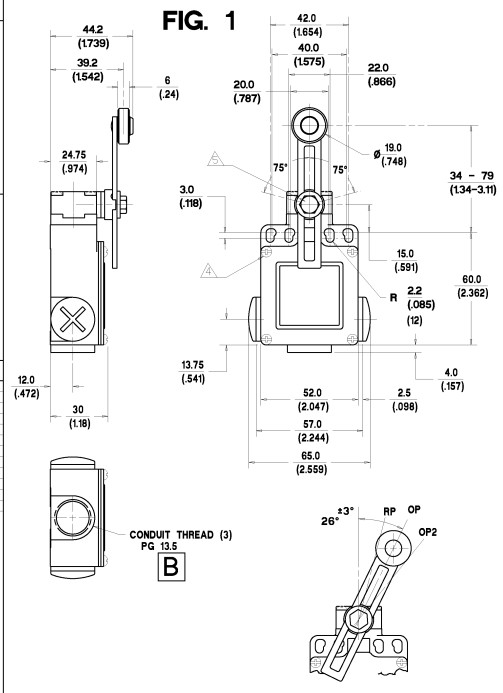
Honeywell

LIMIT SWITCH

CATALOGUE LISTING: GLS
CHART NO.: MTG-GL-193

MTG-GL-193

FIG. 1



SNAP-ACTION CONTACTS	SLOW-ACTION CONTACTS (BREAK BEFORE MAKE)	SLOW-ACTION CONTACTS (MAKE BEFORE BREAK)	SLOW-ACTION CONTACTS (2 NORMALLY CLOSED)	SNAP-ACTION CONTACTS (DOUBLE POLE)	CONTACT BLOCK DIAGRAM TERMINAL DESIGNATION TO EN 50013
0° 26° 54° to 75° FP OP DT=11.5° OT; RP=14.5°	0° 26° 38° 36.5° to 75° FP OP OP2 OT	0° 26° 38° 50.5° to 75° FP OP OP2 OT	0° 26° 46.5° to 75° FP OP OT	0° 26° 54° to 75° FP OP DT=8° OT (max); 90° RP	NOMINAL TRAVELS AND RELATED TERMINALS; CONTACT CLOSED; CONTACT OPEN; + POSITIVE OPENING TO IEC 947-5-1
120 (1.1)	110 (1.0)	110 (1.0)	110 (1.0)	125 (1.1)	NORMAL OPERATING TORQUE MAX Nmm (in.lbs)
140 (1.3)	160 (1.5)	170 (1.6)	150 (1.4)	165 (1.5)	MAXIMUM DISCONNECT TORQUE Nmm (in.lbs)

01 OR 07 — BASIC SWITCH WITH SILVER CONTACTS
03 OR 33 — BASIC SWITCH WITH GOLD PLATED CONTACTS
04 OR 34 — BASIC SWITCH WITH SILVER CONTACTS
06 OR 36 — BASIC SWITCH WITH GOLD PLATED CONTACTS
24 OR 32 — BASIC SWITCH WITH GOLD PLATED CONTACTS

BASIC SWITCH
ADJUSTABLE SIDE ROTARY ACTUATOR (SEE FIG. 1)
CONDUIT THREAD (SEE FIGS. 1 & 2)
ROLLER MATERIAL A = PLASTIC : B = METAL.
HEAD ORIENTATION AND LEVER DIRECTION OF OPERATION (SEE FIG. 3)
EN50047 BODY TYPE (SEE FIG. 1)

GLE X XX A2 X - X XXXX — MODIFICATION CODE

1/2" NPT X 14 CONDUIT THREAD ADAPTER — A
PG 13.5 CONDUIT THREAD — B
M20 X 1.5 CONDUIT THREAD — C
PF 1/2 CONDUIT THREAD — D

XX: 01, 03, 04, 06, 07, 24, 32, 33, 34, 36

A
B
1 — BLANK = NO ROLLER FITTED
2 — BLANK = LEVER TO FRONT, SWITCHING IN BOTH DIRECTIONS.

C021 — CABLE 5 WIRE, WITH GROUND. LAST CHARACTER IS CABLE LENGTH 1 = 1MTR. CABLE LENGTHS ARE FROM 1 TO 9 METRES. ONLY AVAILABLE WITH CONDUIT THREAD TYPE 'B'.

Q01 — CONNECTOR, 4 PIN MICRO. ONLY AVAILABLE WITH CONDUIT THREAD TYPE 'B'.

Q02 — CONNECTOR, 5 PIN MICRO TWIN KEYWAY. ONLY AVAILABLE WITH CONDUIT THREAD TYPE 'B'.

Q03 — CONNECTOR, 4 PIN MINI. ONLY AVAILABLE WITH CONDUIT THREAD TYPE 'B'.

Q04 — CONNECTOR, 5 PIN MINI. ONLY AVAILABLE WITH CONDUIT THREAD TYPE 'B'.

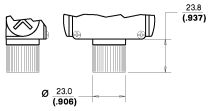
Q07 — CONNECTOR, 5 PIN MICRO. ONLY AVAILABLE WITH CONDUIT THREAD TYPE 'B'.

NOTE:- ANY STANDARD LISTING WITH SUFFIX 'RS' OR 'FE' IS PERMITTED.

NOTES:-
1. ZINC DIECAST BODY AND HEAD WITH STEEL COVER. BODY AND COVER FINISHED IN MICRO SWITCH BLUE EPOXY PAINT. HEAD FINISHED IN BLACK EPOXY PAINT.
2. MINIMUM OPERATING VELOCITY (Vmin) : 0.25 rad/s
MAXIMUM OPERATING VELOCITY (Vmax) : 25 rad/s
MAXIMUM OPERATING FREQUENCY (Fmax) : 250 OPS/MIN
3. FREE POSITION (FP), OPERATING POINT (OP), OVERTRAVEL (OT) AND PRETRAVEL (PT) ALL TO EN50047.
⚠1 MAXIMUM TIGHTENING TORQUE FOR FIXING SCREW : 0.5Nm (4.4in.LB)
⚠2 MAXIMUM TIGHTENING TORQUE FOR FIXING SCREW : 0.8Nm (7in.LB)

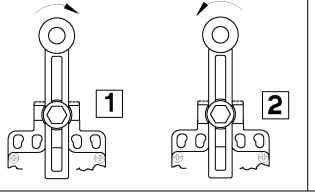
NO CHANGES CAN BE MADE TO THIS DRAWING WITHOUT JOINT NEWHOUSE/FREEPORT APPROVAL

FIG. 2



1/2" NPT X 14 CONDUIT THREAD ADAPTER — A

FIG 3



NOTE: FOR CONNECTION DIAGRAMS AND ADDITIONAL ELECTRICAL, ENVIRONMENTAL & DIMENSIONAL INFORMATION SEE DRAWING GL-49212.

NOTE:- CABLE AND CONNECTOR WILL BE FITTED TO BOTTOM EXIT CONDUIT ONLY. OTHER OPTIONS CUSTOMER SPECIAL 'N' LISTING.

STANDARD SILVER CONTACTS	GOLD PLATED CONTACTS
ELECTRICAL RATING	ELECTRICAL RATING
AC: A300 AC15 Ue 120 240 Ie 6 3	DC: 0.300 DC13 Ue VOLTS 125 250 Ie AMPS 0.55 0.27
	I_{th} = 10A
	1V 10µA MIN. 50V 100mA MAX.

ENVIRONMENTAL
IP66 NEMA 1,4,12,13
TEMP RANGE : -25°C TO 85°C / -13°F TO 185°F
STORAGE : -40°C TO 85°C / -40°F TO 185°F
SHOCK : 50G PER IEC 68-2-27
VIBRATION : 10G PER IEC 68-2-6

APPROVALS
IEC 947-5-1
EN50047

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THIRD ANGLE PROJECTION | SCALE: 1:1 | DIMENSIONS ARE IN MM/INCHES. | MODIFY ON CAD SYSTEM ONLY

REVISIONS
1 9/95 A018-276
2 12/96 A018-293
3 7/97 CO-000883
4 8/97 CO-000106
5 CO/395 JW 6/98

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