Honeywell

LIMIT SWITCH

CATALOGUE LISTING: GLS

CHART NO.: MTG-GL-168

MTG-GL-168

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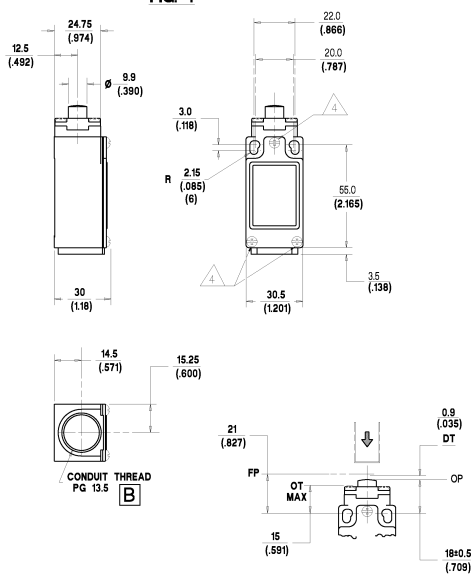
MODIFY ON CAD SYSTEM ONLY

FIG. 1



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) = 1.0 MM/S (THESE LIMITS APPLY TO CAM OPERATION AS SHOWN IN THE ABOVE DIAGRAMS ONLY)
   MAXIMUM OPERATING VELOCITY (Vmax) = 100 MM/S
   MAXIMUM OPERATING FREQUENCY (Fmax) = 250 OPS/MIN
3. FREE POSITION (FP), OPERATING POINT (OP), OVERTRAVEL (OT) AND PRETRAVEL (PT) ALL TO EN50047.

⚠4 MAXIMUM TIGHTENING TORQUE FOR FIXING SCREW = 0.5Nm (4.4in.LB)

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

STANDARD SILVER CONTACTS	GOLD PLATED CONTACTS
ELECTRICAL RATING	ELECTRICAL RATING
AC: A300 AC15 Ue 120 240 / Ie 6 3; DC: Q300 DC13 Ue 125 250 / Ie 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.

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SNAP-ACTION CONTACTS	SLOW-ACTION CONTACTS (BREAK BEFORE MAKE)	SLOW-ACTION CONTACTS (MAKE BEFORE BREAK)	SLOW-ACTION CONTACTS (2 NORMALLY CLOSED)	CONTACT BLOCK DIAGRAM TERMINAL DESIGNATION TO EN 50013
21mm FP; DT=0.9mm; 18.9mm RP; 18mm; 16mm; 15mm OT(max)	21mm FP; OP 18mm; 17mm; 17.2mm; 15mm OT(max)	21mm FP; 18mm; 17mm; 16.2mm; 15mm OT(max)	21mm FP; OP 18mm; 16.5mm; 15mm OT(max)	NOMINAL TRAVELS AND RELATED TERMINALS; CONTACT CLOSED; CONTACT OPEN; * POSITIVE OPENING TO IEC 947-5-1-3
16 (3.6)	14 (3.2)	16 (3.6)	13 (2.9)	NORMAL OPERATING FORCE MAX N (lbf)
23 (5.2)	24 (5.4)	27 (6.1)	23 (5.2)	MAXIMUM DISCONNECT FORCE N (lbf)

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

BASIC SWITCH — CONDUIT THREAD (SEE FIGS.1 & 2) — TOP PIN ACTUATOR (SEE FIG.1)

EN50047 BODY TYPE (SEE FIG. 1): GLC X XX B – XXXX — MODIFICATION CODE

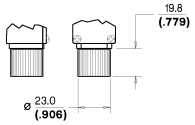
1/2" NPT X 14 CONDUIT THREAD ADAPTER: A
PG 13.5 CONDUIT THREAD: B
M20 X 1.5 CONDUIT THREAD: C
PF 1/2 CONDUIT THREAD: D

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

XXXX:
- 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.

FIG. 2



1/2" NPT X 14 CONDUIT THREAD ADAPTER

A

NOTE: FOR CONNECTION DIAGRAMS AND ADDITIONAL ELECTRICAL, ENVIRONMENTAL & DIMENSIONAL INFORMATION SEE DRAWING GL-48222.

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