

Honeywell

LIMIT SWITCH

CATALOGUE LISTING

GLS

CHART NO. **MTG-GL-168**

FIG. 1

24.75 (.974)

12.5 (.492)

Ø 9.9 (.390)

30 (1.18)

22.0 (.866)

20.0 (.787)

3.0 (.118)

2.15 (.085) (6)

55.0 (2.165)

3.5 (.138)

30.5 (1.201)

14.5 (.571)

15.25 (.600)

CONDUIT THREAD PG 13.5 **B**

21 (827)

FP

OT MAX

15 (.591)

OP

0.9 (.035) DT

18±0.5 (.709)

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.

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

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

STANDARD SILVER CONTACTS

GOLD PLATED CONTACTS

ELECTRICAL RATING

AC DC

A300 AC15 Ue Ie

O300 DC13 Ue Ie

Ith = 10A

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

IEC 947-5-1

EN50047

1V 10µA MIN.

50V 100mA MAX.

120 5

240 3

125 0.59

250 0.27

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THIRD ANGLE PROJECTION

SCALE 1:1

DIMENSIONS ARE IN MM/INCHES.

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

NOMINAL TRAVELS AND RELATED TERMINALS

CONTACT CLOSED

CONTACT OPEN

* POSITIVE OPENING TO IEC 947-5-1-3

NORMAL OPERATING FORCE MAX **N (lbf)**

MAXIMUM DISCONNECT FORCE **N (lbf)**

16 (3.6)

23 (5.2)

14 (3.2)

24 (5.4)

16 (3.6)

27 (6.1)

13 (2.9)

23 (5.2)

01 OR 07

03 OR 33

04 OR 34

06 OR 36

BASIC SWITCH WITH SILVER CONTACTS

BASIC SWITCH WITH GOLD PLATED CONTACTS

EN50047 BODY TYPE (SEE FIG. 1)

GLC

X

XX

B

XXXX

MODIFICATION CODE

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

C021

Q01

Q02

Q03

Q04

Q07

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

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

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

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

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

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

FIG. 2

19.8 (.779)

Ø 23.0 (.906)

1/2" NPT X 1/4 CONDUIT THREAD ADAPTER

A