

MTG-GL-181

REPLACES

AO18-38

ISSUE

DRAWING NUMBER

10

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3/92

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Honeywell

LIMIT SWITCH

CATALOGUE LISTING

GLS

CHART NO.

MTG-GL-181

FIG. 1

12.5
(.492)

6.0
(.236)

24.75
(.974)

12.0
(.472)

30
(1.18)

13.75
(.541)

20.0
(.787)

40.0
(1.575)

2.15
(.0846)
(12)

22.0
(.866)

42.0
(1.654)

129.0
(5.079)

60.0
(2.362)

52.0
(2.047)

57.0
(2.244)

65.0
(2.559)

2.5
(.098)

4.0
(.157)

100.0
(3.937)

DT 10°

OP 16° ±5°

OT 35° (MAX)

CONDUIT THREAD (3)
PG 13.5

B

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

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) = 0.13 rad/s
MAXIMUM OPERATING VELOCITY (Vmax) = 13 rad/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)

STANDARD SILVER CONTACTS

GOLD PLATED CONTACTS

ELECTRICAL RATING

ELECTRICAL RATING

ENVIRONMENTAL

APPROVALS

AC

DC

A300 AC15 Ue 1e

O300 DC13 Ue 1e

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

IV 10µA MIN.
50V 100mA MAX.

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

SNAP-ACTION CONTACTS

13

14

21

22

1.3
(.029)

SLOW-ACTION CONTACTS (BREAK BEFORE MAKE)

21

22

23

24

1.1
(.025)

SLOW-ACTION CONTACTS (MAKE BEFORE BREAK)

21

22

23

24

1.2
(.027)

SLOW-ACTION CONTACTS (2 NORMALLY OPEN)

13

14

23

24

1.1
(.025)

SLOW-ACTION CONTACTS (2 NORMALLY CLOSED)

11

12

21

22

1.1
(.025)

SNAP-ACTION CONTACTS (DOUBLE POLE)

13

14

23

24

1.1
(.025)

CONTACT BLOCK DIAGRAM TERMINAL DESIGNATION TO EN 50013

NOMINAL TRAVELS AND RELATED TERMINALS

CONTACT CLOSED

CONTACT OPEN

* POSITIVE OPENING TO IEC 947-5-1

NORMAL OPERATING FORCE MAX

N (lb)

01

OR

07

03

OR

33

04

OR

34

05

OR

35

06

OR

36

24

OR

32

BASIC SWITCH WITH SILVER CONTACTS

BASIC SWITCH WITH GOLD PLATED CONTACTS

BASIC SWITCH

CONDUIT THREAD (SEE FIGS. 1 & 2)

EN50047 BODY TYPE (SEE FIG. 1)

GLE

X

XX

E7B

XXXX

MODIFICATION CODE

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

A

01

B

03

C

04

D

05

06

07

33

34

35

36

NOTE:-

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

FIG. 2

23.8
(.937)

23.0
(.906)

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

A

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.

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'.

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'.