

MTG-GL-167

REPLACES

AO1B-38

DRAWING NUMBER

11

ISSUE

REVISIONS

6/9/96

AO1B-275

7/12/96

AO1B-293

8/7/97

CO-000083

9/8/97

CO-000106

10/2/98

CO-000288

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1/WEIR 6/98

3/93

3/93

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3/93

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THIRD ANGLE PROJECTION

SCALE 1:1

DIMENSIONS ARE IN MM/INCHES.

MODIFY ON CAD SYSTEM ONLY

Honeywell

LIMIT SWITCH

CATALOGUE LISTING

GLS

CHART NO. MTG-GL-167

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) = 2.0 MM/S
MAXIMUM OPERATING VELOCITY (Vmax) = 200 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 NEWHOUSE/FREEPORT APPROVAL

STANDARD SILVER CONTACTS

GOLD PLATED CONTACTS

ELECTRICAL RATING

ELECTRICAL RATING

ENVIRONMENTAL

APPROVALS

AC

DC

A300 AC15
Ue 1e

O300 DC13
Ue 1e

Ith = 10A

IV 10µA MIN.
50V 100mA MAX.

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

UL

IEC 947-5-1

EN50047

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SNAP-ACTION CONTACTS

120
(1.1)

140
(1.3)

SLOW-ACTION CONTACTS
(BREAK BEFORE MAKE)

110
(1.0)

160
(1.5)

SLOW-ACTION CONTACTS
(MAKE BEFORE BREAK)

110
(1.0)

170
(1.6)

SLOW-ACTION CONTACTS
(2 NORMALLY CLOSED)

110
(1.0)

150
(1.4)

CONTACT BLOCK DIAGRAM
TERMINAL DESIGNATION TO EN 50013

NOMINAL TRAVELS AND RELATED TERMINALS

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

NORMAL OPERATING TORQUE MAX Nmm (in.lbs)

MAXIMUM DISCONNECT TORQUE Nmm (in.lbs)

01
OR
07

03
OR
33

04
OR
34

06
OR
36

BASIC SWITCH WITH SILVER CONTACTS

BASIC SWITCH WITH GOLD PLATED CONTACTS

SIDE ROTARY ACTUATOR (SEE FIG. 1)

ROLLER MATERIAL
A = PLASTIC : B = METAL.

HEAD ORIENTATION AND LEVER DIRECTION OF OPERATION (SEE FIG. 3)

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'.

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'.

EN50047 BODY TYPE (SEE FIG. 1)

GLC

X

XX

A1

X

X

XXXX

A

B

1

2

3

4

5

C021

Q01

Q02

Q03

Q04

Q07

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

PG 13.5 CONDUIT THREAD

M20 X 1.5 CONDUIT THREAD

PF 1/2 CONDUIT THREAD

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

FIG. 2

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

A

FIG. 3

SWITCHING CLOCKWISE ROTATION ONLY.

SWITCHING ANTI-CLOCKWISE ROTATION ONLY.

LEVER ON RIGHT

LEVER ON LEFT

LEVER TO MOUNTING SURFACE

BLANK = NO ROLLER FITTED.

BLANK = LEVER TO FRONT, SWITCHING IN BOTH DIRECTIONS.

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