

MTG-GL-194

REPLACES

AO1B-185

DRAWING NUMBER

6

ISSUE

REVISIONS

2 9/96

AO1B-275

3 12/96

AO1B-293

4 7/97

CO-000083

5 8/97

CO-000106

6 CO/395

I WEIR 6/98

4/94

M. LOCH

4/94

I. WEIR

4/94

J. BOYD

4/94

P. TRICKETT

DRAWN

CHECK

DESIGN

AUTHOR

Honeywell

LIMIT SWITCH

CATALOGUE LISTING

GLS

CHART NO.

MTG-GL-194

FIG. 1

CONDUIT THREAD PG 13.5

B

26°

±3°

RP

OP

OP2

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) = 0.26 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.

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

△ MAXIMUM TIGHTENING TORQUE FOR FIXING SCREW = 0.8Nm (7in.LB)

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

STANDARD SILVER CONTACTS	GOLD PLATED CONTACTS	ENVIRONMENTAL		APPROVALS
ELECTRICAL RATING	ELECTRICAL RATING	ENVIRONMENTAL		APPROVALS
AC	DC			
A300 AC15 1e	O300 DC13 1e	I _{th} = 10A		
VOLTS AMPS 120 6 240 3	VOLTS AMPS 125 0.55 250 0.27	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		
				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

SLOW-ACTION CONTACTS (BREAK BEFORE MAKE)

SLOW-ACTION CONTACTS (MAKE BEFORE BREAK)

SLOW-ACTION CONTACTS (2 NORMALLY CLOSED)

NOMINAL TRAVELS AND RELATED TERMINALS

CONTACT CLOSED

CONTACT OPEN

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

120 (1.1)	110 (1.0)	110 (1.0)	110 (1.0)
140 (1.3)	160 (1.5)	170 (1.6)	150 (1.4)

01 OR 07

03 OR 33

04 OR 34

06 OR 36

BASIC SWITCH WITH SILVER CONTACTS

BASIC SWITCH WITH GOLD PLATED CONTACTS

CONDUIT THREAD (SEE FIGS. 1 & 2)

EN50047 BODY TYPE (SEE FIG. 1)

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

BASIC SWITCH

GLC

X

XX

A4J

-X

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'.

1

2

3

4

5

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'.

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

BLANK = LEVER TO FRONT, SWITCHING IN BOTH DIRECTIONS.

FIG. 2

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

A

FIG. 3

1

2

3

4

5