

MTG-GL-171

REPLACES

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AO18-38

ISSUE

RELEASE NUMBER

AO18-38

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6 9/96

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7 12/96

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8 7/97

CO-000083

9 CO/395

1 WEIR 6/98

10 0030048

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11 0037216

BS

07FEB08

3/93

3/93

3/93

3/93

M. LOCH

I. WEIR

J. BOYD

AUTHOR N. P. TRICKETT

Honeywell

LIMIT SWITCH

GLS

CHART NO.
MTG-GL-171

12.5
(.492)

6.0
(.236)

24.75
(.974)

3.0
(.118)

2.15
(.085)
(6)

30
(1.18)

14.5
(.571)

15.25
(.600)

22.0
(.866)

20.0
(.787)

129.0
(5.079)

55.0
(2.165)

30.5
(1.201)

3.5
(.138)

30.5
(1.201)

3.5
(.138)

100.00
(3.9370)

FIG. 1

CONDUIT THREAD
PG 13.5
B

16°
DT 10

35°
OT (MAX)

16°
OP

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

FIG. 2

8.7
(.343)

14.5
(.571)

25
(.984)

1/2" NPT X 14
CONDUIT THREAD
A

SNAP-ACTION
CONTACTS

13 14

2b 22

0° 16° 36°

2-22 13-14

FP OP OT (max)

6" PP

.3
(0.29)

SLOW-ACTION
CONTACTS
(BREAK BEFORE MAKE)

21 22

2b 14

0° 16° 27° 36°

2-22 13-14

FP OP OT (max)

.1
(0.25)

SLOW-ACTION
CONTACTS
(MAKE BEFORE BREAK)

21 22

2b 14

0° 16° 27° 36°

2-22 13-14

FP OP OT (max)

.2
(0.27)

SLOW-ACTION
CONTACTS
(2 NORMALLY OPEN)

13 14

2X 24

0° 27° 36°

13-14 23-24

FP OP OT (max)

.1
(0.25)

SLOW-ACTION
CONTACTS
(2 NORMALLY CLOSED)

11 12

2V 22

0° 16° 36°

1-2 2-22

FP OP OT (max)

.1
(0.25)

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 (1bf)

01
OR
07

03
OR
33

04
OR
34

05
OR
35

06
OR
36

BASIC SWITCH

CONDUIT THREAD
(SEE FIGS. 1 & 2)

EN50047 BODY TYPE
(SEE FIG. 1)

1/2" NPT X 14
CONDUIT THREAD

PG 13.5
CONDUIT THREAD

M20 X 1.5
CONDUIT THREAD

PF 1/2
CONDUIT THREAD

GLC

X

XX

E7B

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.

STANDARD SILVER
CONTACTS

GOLD PLATED CONTACTS

ELECTRICAL RATING

ELECTRICAL RATING

ENVIRONMENTAL

APPROVALS

AC

DC

A300 AC15
Ue Ie

O300 DC13
Ue Ie

I_{th} = 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

UL

IEC 947-5-1

EN50047

VOLTS AMPS

VOLTS AMPS

120 6
240 3

125 0.55
250 0.27

1V 10µA MIN.
50V 100mA MAX.

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THIRD
PROJECTION

SCALE
1:1

DIMENSIONS ARE IN
MM/INCHES.

MODIFY ON CAD
SYSTEM ONLY