

DO NOT SCALE PRINT

MTG-GX-297

M

DRAWING NUMBER

2

ISSUE

REVISIONS

2 CO*1792

IW 01/01

6/00

I. WEIR

CHECK

DESIGN

AUTHOR*IN

A2 FORMAT

REPLACES

PR*788

RELEASE No.

Honeywell

LIMIT SWITCH

CATALOGUE LISTING
CHART No.
MTG-GX-297

SWITCH TYPE

CABLE LENGTH
(5 METRES)

GXE

5

1

A1

A

4

HEAD ORIENTATION

SNAP ACTION
SILVER CONTACTS

1

SNAP ACTION
Au PLATED CONTACTS

2

SLOW ACTION (B.B.M.)
SILVER CONTACTS

3

SLOW ACTION (B.B.M.)
Au PLATED CONTACTS

4

SIDE ROTARY ACTUATOR
FIXED ROLLER LEVER

ROLLER MATERIAL
A : PLASTIC : B : STEEL

A

4

HEAD ORIENTATION

A

3

LEVER TO FRONT

B

3

LEVER TO RIGHT

4

LEVER TO LEFT

5

LEVER TO REAR

HEAD ORIENTATION

3

4

5

FREE POSITION

±5°

26°

OPERATING POINT

8.0° MAX

DIFFERENTIAL TRAVEL

75° FULL TRAVEL

75° FULL TRAVEL

8.0° MAX

DIFFERENTIAL TRAVEL

OPERATING POINT

26°

±5°

MIN. OPERATING VELOCITY = 2.0mm/S (.08in/S)

MAX. OPERATING VELOCITY = 200mm/S (7.9in/S)

MAX. OPERATING FREQUENCY = 250 OPS/MINUTE

ENVIRONMENTAL

IP66/67

TEMP RANGE : -20°C TO 75°C

OPERATING -4°F TO 167°F

AND STORAGE

SHOCK : 50G PER IEC 68-2-27

VIBRATION : 10G PER IEC 68-2-6

CIRCUIT DIAGRAM

SWITCH TYPES 1 & 2

BLACK BLUE

BROWN

SWITCH TYPES 3 & 4

BLUE BROWN

ELECTRICAL RATING

SILVER CONTACTS

AC-15 4A 250V

AC-15 2A 400V

DC-13 0.15A 250V

GOLD CONTACTS

CHARACTERISTICS

OPERATING FORCE $\frac{16\text{ N}}{3.6\text{ lbf}}$ MAX

RELEASE FORCE $\frac{4.4\text{ N}}{1.0\text{ lbf}}$ MIN

APPROVALS

CE 0527

EN50014

EN50018

THE COPYRIGHT OF THIS DRAWING IS THE PROPERTY OF HONEYWELL LTD. THE DRAWING IS SUPPLIED IN CONFIDENCE AND MUST NOT BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SUPPLIED.

THIRD ANGLE PROJECTION

SCALE:- 1/1

DIMENSIONS ARE IN MILLIMETRES

MODIFY ON CAD SYSTEM ONLY

* KEMA APPROVED PART *

NO CHANGE TO DRAWING

WITHOUT THE JOINT AGREEMENT OF

APPROVALS/DESIGN/MARKETING

Ø19.0

20.0

22.0

40.0

42.0

52.0

R2.15 (12)

15.0

46.5

3.0

60.0

28.0

5 METRES CABLE LENGTH

45.0

40.0

6.0

27.1

24.7

30

65.0

NOTES:-

1. BLUE EPOXY PAINT FINISHED ZINC DIE-CAST BODY AND STEEL COVER. BLACK EPOXY PAINT FINISHED ZINC DIE-CAST HEAD.

2. APPROVED BY KEMA TO II 2 G EExd IIC T6.

3. KEMA CERTIFICATION REFERENCE:- KEMA 00 ATEX 2103 X.

4. MOUNTING TO EN50047.

5. LEVER MAY BE ATTACHED AND KEYED TO THE SHAFT AT 10° INCREMENTS.

6. MAXIMUM TIGHTENING TORQUE FOR FIXING SCREW = 0.5Nm.

7. STANDARD LISTINGS CAN HAVE SUFFIX 'RS' OR 'FE'.