Control Circuit Limit Switch
Type VC40A

Publication Number: LS003/1211

Application
The rugged, low cost VC40A switch is used with a suitable operating ramp, to limit the travel of electric lifts and skiphoists etc. requiring accurate positioning at low speeds. It is supplied with normally-closed contacts and an earth safety screen.

Operation
The switch is operated by the application of at least 0.9kg pressure against the roller, through a distance of approximately 25mm. Allowance is made for up to 22mm follow-through.

Installation
The switch case has integral brackets offering three-hole fixing either on the back face or the side opposite the arm. This gives options in the direction of arm travel and thus of the plane in which the operating ramp can be mounted. The arm has approximately 19mm of lateral adjustment on its shaft and is clamped at the desired angle, and may be mounted on either side.

Construction
The switch is housed in an orange moulded glass-filled polycarbonate case. The transparent cover is in clear polycarbonate, hinged at the bottom and opened by screwdriver pressure at the top. The lever arm is in passivated zinc steel and the roller is a synthetic elastomer moulding.

Contacts
Silver plated hard-drawn copper with self cleaning wiping action. All terminals are push-on-type including the centre earth shield.

Contact Rating
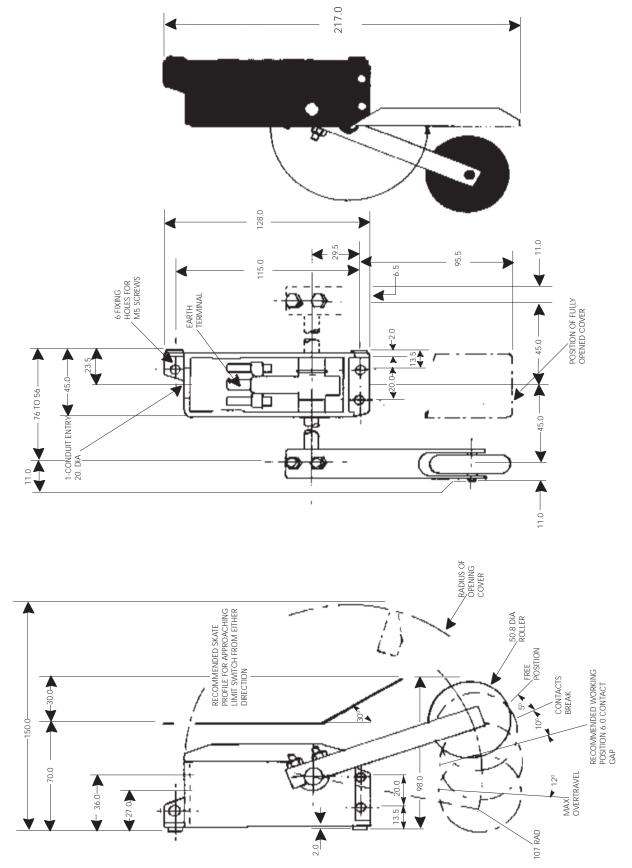5A @240V a.c., 2A @240V d.c.

Weight
270g.

Approvals
Operation is in full accordance with the relevant provisions of EN81:Part 1 : 1998, CSA and other recognised standards.

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This information is for guidance only and does not form the basis for contract - Dimensions in mm

VC40A CONTROL CIRCUIT LIMIT SWITCH

217.0

128.0

115.0

29.5

6.5

95.5

11.0

6 FIXING
HOLES FOR
M5 SCREWS

EARTH
TERMINAL

23.5

45.0

76 TO 56

2.0

13.5

20.0

45.0

POSITION OF FULLY
OPENED COVER

45.0

1-CONDUIT ENTRY
20. DIA

11.0

11.0

RADIUS OF
OPENING
COVER

RECOMMENDED SKATE
PROFILE FOR APPROACHING
LIMIT SWITCH FROM EITHER
DIRECTION

30.0

150.0

70.0

36.0

27.0

30°

20.0

98.0

13.5

2.0

50.8 DIA
ROLLER

FREE
POSITION

5°

CONTACTS
BREAK

10°

RECOMMENDED WORKING
POSITION 6.0 CONTACT
GAP

12°

MAX.
OVERTRAVEL

107 RAD

All dimensions in mm