

PANEL MOUNTED 4000 SERIES SWITCHES

SINGLE SWITCH ENCLOSURE:

Compliant to: **(CE)** EN IEC 60079-0:2018
 EN 60079-1:2014
 EN IEC 60079-7:2015 +A1:2018
 Ⓜ II 2 G Ex db eb IIC T6 Gb (Tamb = -20°C to +60°C)
 Directive: 2014/324/EU
 Certificate Number: Baseefa03ATEX0128 – Issue 4
 Certifying Authority: **SGS Fimko Oy**

(UKCA) EN IEC 60079-0:2018
 EN 60079-1:2014
 EN IEC 60079-7:2015 + A1:2018
 Ⓜ II 2 G Ex db eb IIC T6 Gb (Tamb = -20°C to +60°C)
 UKSI:1107 (as amended) – Schedule 3A, Part 1
 Certificate Number: BAS22UKE0247
 Certifying Authority: **SGS Baseefa Limited**



Description of Equipment or Protective System

Type ATEX Ex4000 Pressure Switch rated for use up to 250V a.c. or d.c. It has a three-chamber cast aluminium enclosure comprising a venting chamber, a chamber housing the spring operating plunger assembly and a chamber housing a microswitch and terminal block.

The rectangular terminal chamber has a removable gasketed cover fixed by four stainless steel screws. The microswitch type 'Kestrel' EIV 3CS-ATEX manufactured by Burgess and covered by Baseefa Component Certificate No. BAS01ATEX2358U/9 coded EEx d IIC is fixed by screws to a combined baseplate and mounting bracket which is screwed to the base of the terminal chamber. The flying leads from the microswitch are terminated in a Klippon type BK3 terminal block covered by Baseefa Component Certificate No. TUV18ATEX8209U, coded Ex e IIC which is screwed to the mounting bracket above the microswitch.

The operating plunger passes into the terminal chamber through a screwed adjustment bush. Ingress Protection of at least IP54 is assured by the inclusion of a diaphragm between the venting chamber and the plunger and spring assembly chamber.

Internal and external earthing facilities are provided.

One cable entry port is provided for fitting a suitable cable entry device with or without the interposition of a suitable thread adaptor. The installation of the cable entry device shall maintain the ingress protection of the terminal chamber.

Variation 0.1

Alternative ratings of the unit as follows:

- 250V ac 5A Res. or Ind.
- 125V ac 5A Res. or Ind.
- 250V dc 0.25A Res. or 0.03A Ind.
- 125V dc 0.5A Res. or 0.03A Ind.
- 75V dc 0.75A Res. or Ind.
- 50V dc 1A Res. or Ind.
- 30V dc 5A Res. or 3A Ind.

Variation 0.2

Alternative pressure chambers to meet individual requirements.

