

PANEL MOUNTED 4000 SERIES SWITCHES

SINGLE SWITCH ENCLOSURE:

Compliant to: EN 60079-0: 2012+A11: 2013, EN 60079-1: 2014, EN60079-7: 2015

Ⓔ II 2 G Ex db eb IIC T6 Gb (Tamb = -20°C to +60°C)

Certificate Numbers: Basefa03ATEX0128
Basefa03ATEX0128/1
Basefa03ATEX0128/2
Basefa03ATEX0128/3

Certifying Authority: SGS Fimko Oy



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 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. BAS98ATEX3084U, coded EEx e II 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 adapter. 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 terminal assemblies as SIRA01ATEX3247U coded EEx e II.

Variation 0.3

Alternative pressure chambers to meet individual requirements.

