

# SCH55 SERIES Ex d, Ex ia ATEX, UKEX and IECEx HEAD

## > Ex d or Ex ia APPROVED VERSIONS

## > SAFE AREA VERSION

## > ALUMINIUM EPOXY PAINTED FINISH OR STAINLESS-STEEL CONSTRUCTION

## > WINDOW VERSION AVAILABLE

## > UNIVERSAL FITTING

## > INTRODUCTION

The SCH55 series is manufactured from cast aluminium finished in a blue epoxy paint or stainless-steel and is certified as Ex ia Intrinsically Safe or as an Ex d flameproof connection head. It has been designed to house standard 33 mm mounting temperature transmitters as well as ceramic connection blocks.



## > FEATURE HIGHLIGHTS

### **Suitable for housing ATEX / UKEX / IECEx Temperature transmitters**

The SCH55 with Ex ia approval means an appropriately approved transmitter as well as the head are both approved with the temperature probe being classed as simple apparatus.

### **Ex d Explosion Proof Assembly**

With the SCH55 Ex d assembly, the temperature probe and the head are both part of the approval. For these applications, Status Instruments, has to supply the temperature probe as it is specially designed to fit the SCH55 to maintain Exd approval.

### **Status Instruments Has ATEX, UKEX and IECEx Manufacturer Licences**

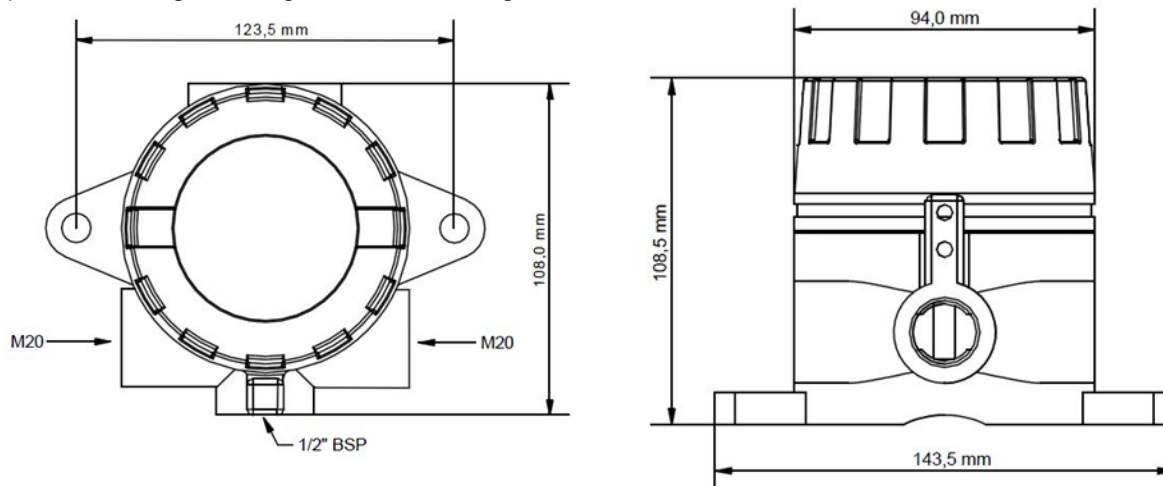
This means Status Instruments is approved to build Ex ia/ Ex d temperature probe assemblies. (As well as our range of other ATEX / UKEX / IECEx products). **Organizations without these licences cannot assemble/ manufacture IS approved products.**

### **Ingres Protection IP66/68**

# SCH55 SERIES Ex d, Ex ia ATEX, UKEX and IECEx HEAD

| APPROVALS SCH55 Head MARKING OPTIONS                                              |                                                                                                                                                                                                                                                            |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ex ia Option                                                                      | Ex d Option                                                                                                                                                                                                                                                |
| Ex ia IIC T4 Ga Tamb -40°C to + 85°C<br>Ex ia IIIC T135°C Da Tamb -40°C to + 85°C | Ex db IIC T6 Gb Tamb -40°C to + 65°C<br>Ex tb IIIC T85°C Db Tamb -40°C to + 65°C<br>Ex db IIC T5 Gb Tamb -40°C to + 80°C<br>Ex tb IIIC T100°C Db Tamb -40°C to + 80°C<br>Ex db IIC T4 Gb Tamb -40°C to + 85°C<br>Ex tb IIIC T135°C Db Tamb -40°C to + 85°C |
| The SCH55 series head markings required must be specified at the time of ordering |                                                                                                                                                                                                                                                            |

Approximate weight; 1.2 kg Aluminium, 3.0 kg Stainless



| ORDER CODES                                                          |                                            |                                 |                                               |
|----------------------------------------------------------------------|--------------------------------------------|---------------------------------|-----------------------------------------------|
|                                                                      | Material<br>A = Aluminium<br>S = Stainless | Window<br>0 = None<br>W= Fitted | Approval option, 0 = None<br>Ex d *1<br>Ex ia |
| <b>SCH55</b>                                                         | /                                          | /                               | /                                             |
| <b>Example:</b> Aluminium, no window, Ex ia = <b>SCH55/A/0/Ex ia</b> |                                            |                                 |                                               |
| *1 Ex d heads must be supplied with a probe fitted.                  |                                            |                                 |                                               |

| ACCESSORIES               |                                                                                               |
|---------------------------|-----------------------------------------------------------------------------------------------|
| 31-620-0013-01            | M20 blanking plug (one supplied)                                                              |
| 31-620-0012-01            | M20 blanking plug Ex d Version                                                                |
| 31-630-5368-01            | M20 Brass blanking plug (Dome head) ATEX / UKEX                                               |
| 31-620-5369-01            | 1/2" BSPP SS stopping plug                                                                    |
| 31-630-5370-01            | 1/2" BSPP Brass stopping plug (Dome head)                                                     |
| 31-620-5371-01            | 1/2" BSPP SS stopping plug (Dome head)                                                        |
| 31-610-5394-01            | U Bolt, supplied with nuts and washers                                                        |
| 31-620-5395-01            | SS M20 (M) x 1/2" NPT (F) Adaptor                                                             |
| 31-620-5396-01            | SS M20 (M) x 1/2" NPT (F) Adaptor ATEX / UKEX                                                 |
| Temperature probe options | Refer to <a href="http://www.status.co.uk">www.status.co.uk</a> or contact sales@status.co.uk |

The data in this document is subject to change. Status Instruments assumes no responsibility for errors  
To maintain full accuracy, annual calibration is required. Contact support@status.co.uk for details

Status Instruments Ltd  
Status Business Park  
Gannaway Lane, Tewkesbury  
Gloucestershire, UK  
GL20 8FD  
D2644-01-05 SCH55 Datasheet, Page 2 of 2

Tel: +44 (0)1684 296818  
Fax: +44 (0)1684 293746  
Email: sales@status.co.uk  
Website: www.status.co.uk

