

**SERIES SKI HT HIGH TEMP LEVEL SENSOR**



- -30 To +125°C
- M18 or 3/8 Whitworth Mountings
- Wireable VIA Screw Terminals
- Protection - Probe IP68
- Protection Terminal Housing IP67

**GENERAL SPECIFICATIONS**

| Temp    | Size | Housing Material | Max Frequency              | Type | O/P                        | Part No.                        |
|---------|------|------------------|----------------------------|------|----------------------------|---------------------------------|
| ≤125°C  |      | A. AL            | 5Hz                        | PNP  | N/O                        | SK1HT125FSJM18PSKL<br>ART.07061 |
|         |      | B. V2A           |                            |      | N/C                        | SK1HT125FSJM18POKL<br>ART.07062 |
|         |      | C. PTFE          |                            | NPN  | N/O                        | SK1HT125FSJM18NSKL<br>ART.07063 |
|         |      |                  |                            |      | N/C                        | SK1HT125FSJM18NOKL<br>ART.07064 |
| ≤125°C  |      | A. AL            | 5Hz                        | PNP  | N/O                        | SK1HT125FSJR38PSKL<br>ART.07065 |
|         |      | B. V2A           |                            |      | N/C                        | SK1HT125FSJR38POKL<br>ART.07066 |
|         |      | C. PTFE          |                            | NPN  | N/O                        | SK1HT125FSJR38NSKL<br>ART.07067 |
|         |      |                  |                            |      | N/C                        | SK1HT125FSJR38NOKL<br>ART.07068 |
|         |      | A. AL            |                            | M30  | MAM18M3010V2A<br>ART.90092 |                                 |
| B. V2A  |      | M32              | MAM18M3210V2A<br>ART.90093 |      |                            |                                 |
| C. PTFE |      | R1"              | MAM18R110V2A<br>ART.90109  |      |                            |                                 |

**Sensor Application**

This capacitive level sensor can detect liquids and other pourable products, even when installed in High-Temperature surroundings. A sensor of such caliber can be used where there is a difficulty in controlling product flows or levels. Even when heavy product build-up occurs with substances such as molasses, honey, silicone, etc; the product remains detectable even if there is an adhering medium between product presence and non-presence. This adjustable non-flush sensor is very versatile for its vast applications especially with powders and liquid sensing.

**Application Examples**

- Level sensing of nearly all products.
- Viscous medium like honey, glue, chocolate, bread dough, oil, ice cream, silicone
- grainy materials like plastic granular, cereal, pellets, coffee beans
- powder like cocoa and coffee powder, washing powder
- liquids like water, blood, milk, beer, etc.

**Adjustment**

The device is adjusted using the adjuster potentiometer. Note that a mean value between the switch-on and switch-off points of the tripped sensor must be set. In individual cases, when high temperature dynamic response and very adhesive media are involved, a slight readjustment may be necessary.

**Order key.**

- SK1 = Capacitive sensor with integrated amplifier
- HT125 = High-temperature sensor up to -30...+125°C
- FS = Fill level
- J = Connection head construction
- R3/8 = thread diameter 3/8" British Standard Whitworth thread in accordance with DIN 2999
- M18 = [mm], M=thread diameter M18 x 1
- KL = Terminal connection

**Terminal connection.**

