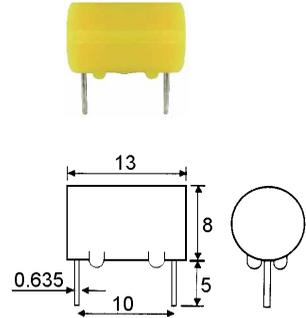


Safe-T-Plus fuses are designed for equipment meeting “Intrinsically Safe” certification for applications in gas plants, petrochemical and processing industries where there is a danger of gas explosion from faulty circuits. Hermetically sealed for hazardous environmental conditions. The encapsulation material is Polyamide 6 at a minimum depth of 1mm (3mm typically) and has a CTI (Comparative Tracking Index) of greater than 175. The leads are separated by a minimum clearance and creepage distance of 9 mm and hence are suitable for use in intrinsically safe apparatus for voltage not exceeding 125V rms (190V peak).

Part Number	Ampere Rating
0259.062	62mA
0259.250	250mA
0259.500	500mA
0259.750	750mA
0259001	1A

I.R.: 50A at 125VAC, 300A at 125VDC (62mA to 1A)
Voltage: 125VAC / 125VDC
Pack Size (box): 1, 10, 500
Application Standards: EN 500014, ENS0020
Approvals: Baseefa 02ATEX0071U, IECEx BAS 10.0098U

E10480, (UL 913) E358130 RoHS



Dimensions in MM

ELECTRONIC

HAZARDOUS AREA FUSES 250VAC / 250VDC

In chemical plants or oil refineries handling flammable liquids and gases, the risks of explosion are apparent. There are many thousands of sensors in a typical plant connected to the main control room. If a fault occurs on the monitoring equipment within the control room, sufficient energy could be transmitted back to a sensor, causing sparks or overheating, which could set off an explosion. Therefore stringent requirements are specified by safety authorities to limit the energy that can be passed down these sensor connections. One option is placing a barrier network in every sensor line to prevent the transmission of sufficient electrical energy to cause a spark at the sensor. In its simplest form, a Barrier Network consists of a fuse and resistor in series with the line and Zener diode connected in parallel with the sensor. Momentary transients are absorbed by the Zener diode, while for major sustained faults the fuse blows.

PCB Mount	Surface Mount	Ampere Rating
Part Number	Part Number	Rating
0242.080HAT I	-	80mA
0242.160HAT I	-	160mA
-	0242.200UR	200mA
0242.250HAT I	0242.250UR	250mA

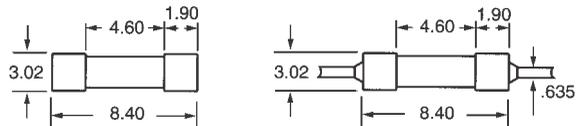
SMD Mount



PCB Mount



I.R.: 4kA at 250VAC / 250VDC
Voltage: 250VAC / 250VDC
Pack Size: Stock lines 5
 Indent 100, 500
Factory Pack Size (box) 'HATI': 100
Factory Pack Size (box) 'UATI': 500
Factory Pack Size (ammo) 'UR': 500
Barrier Network Standard: EN50020
Approvals: RoHS



Dimensions in MM