

Electrical Smart-Space Ex Heater Type SM-*A

Space-heaters for Hazardous locations, designed for

- Freeze protection
- Anti-condensation
- Temperature maintenance
- Small spaces

Features and Advantages

- Self-limiting heating elements
- Small dimensions
- No moving parts, no maintenance required therefore long lifetime
- Suitable for T4 and T3 classification
- Can be used for 110 to 240 VAC/DC



Technical Data:

| | |
|---------------------|---|
| Power consumption | 250-25Watt or 500-50Watt |
| Electrical cable | 3x1 sqmm |
| Material cable | Braided silicone (standard) Non-braided optional |
| Standard length | approx. 1 mtr. Other lengths optional, on request |
| Other lengths | To be specified |
| Overall dimensions | 164x54x54mm (LxWxH) |
| Weight | Approx. 400g |
| Material | black anodized aluminium |
| EX protection class | II 2G Ex d IIC T4 or T3: II 2D Ex tD A21 IP66 T 135°C or T200°C |
| Certification | KEMA 01ATEX2124X and IECEx DEK 11.0017 |
| Voltage AC/DC | 110/240 VAC/DC |
| Protection degree | IP66 |
| Ambient temp. range | -60°C...+90°C |

Description

All Smart Space-Heaters are designed around self-limiting heating elements. These semi-conductor elements are saving power consumption.

Our Smart Space-Heaters are designed to heat the air inside an enclosure and indirectly the installed equipment. If properly selected for freeze protection, no thermostat will be needed.

In other situations, if the equipment may not exceed a maximum temperature value, our Fix-Therm96 thermostat can be added as a maximum temperature protection, in the system.

When required in other applications, e.g. analyzers, it is normal practice to use our Smart Space-Heaters in combinations with our FixTherm96 (range from 10°C up to 135°C).

| Part No. | Surface temp. | Wattage |
|------------------|---------------|---------|
| Smart SM-1A | Approx 115°C | 250-25 |
| Smart SM-2A | Approx 105°C | 250-25 |
| Smart SM-3A | Approx. 90°C | 250-25 |
| Smart SM-4A | Approx. 70°C | 250-25 |
| High power model | | |
| Smart SM-0AHP | Approx. 130°C | 500-50 |

*these temperatures are measured at 20°C ambient temperature.