STANDARD OF REFERENCE:	**EN 60335-1 - EN 50106**
	2011/65/UE - 2015/863/UE - RoHS3

WORKING ENVIRONMENT:	AIR
MINIMUM WORKING TEMPERATURE:	**- 40°C**
MAXIMUM WORKING TEMPERATURE:	**+ 180°C**
MAXIMUM TEMPERATURE (SHORT TERM):	---
THERMAL CONTROL / SAFETY THERMOSTAT:	**RECOMMENDED**

SUPPLY VOLTAGE: AC / DC**to be verified for thermal controls*
FREQUENCY: 50/60 Hz (AC)
SUPPLY VOLTAGE TOLERANCE: ±10%

NOTES ONLY FOR UL APPROVED VERSION
SEDES UL FILE NO.: **E234473**
STANDARDS FOR SAFETY: **UL 499**
CSA/CSA C22.2 No. 72-10

The suitability of the mounting means, the bonding systems, any thermal controls (regulating and limiting), any temperature sensors, any fittings and accessories provided external to the basic heater construction shall be evaluated by UL in the end use application.

ELEMENT IP DEGREE : **IP64**

Warning notes:
- Do nct deform/crease the element.
- Do nct alterate the surface by mean of abrasive and/or aggressive chemical substances.
- Do nct bend the electrical connection terminals.
- Avoid contact of cables with sharp edges.
- The power cables should not be subjected to bends tighter than 4 x their diameter.
- Ensure the direction, intensity, fluid contact / body heat exchange.
- The element must not operate in water or in other liquids.
- **The element is not ATEX approved, so it must not operate in explosive atmosphere.**

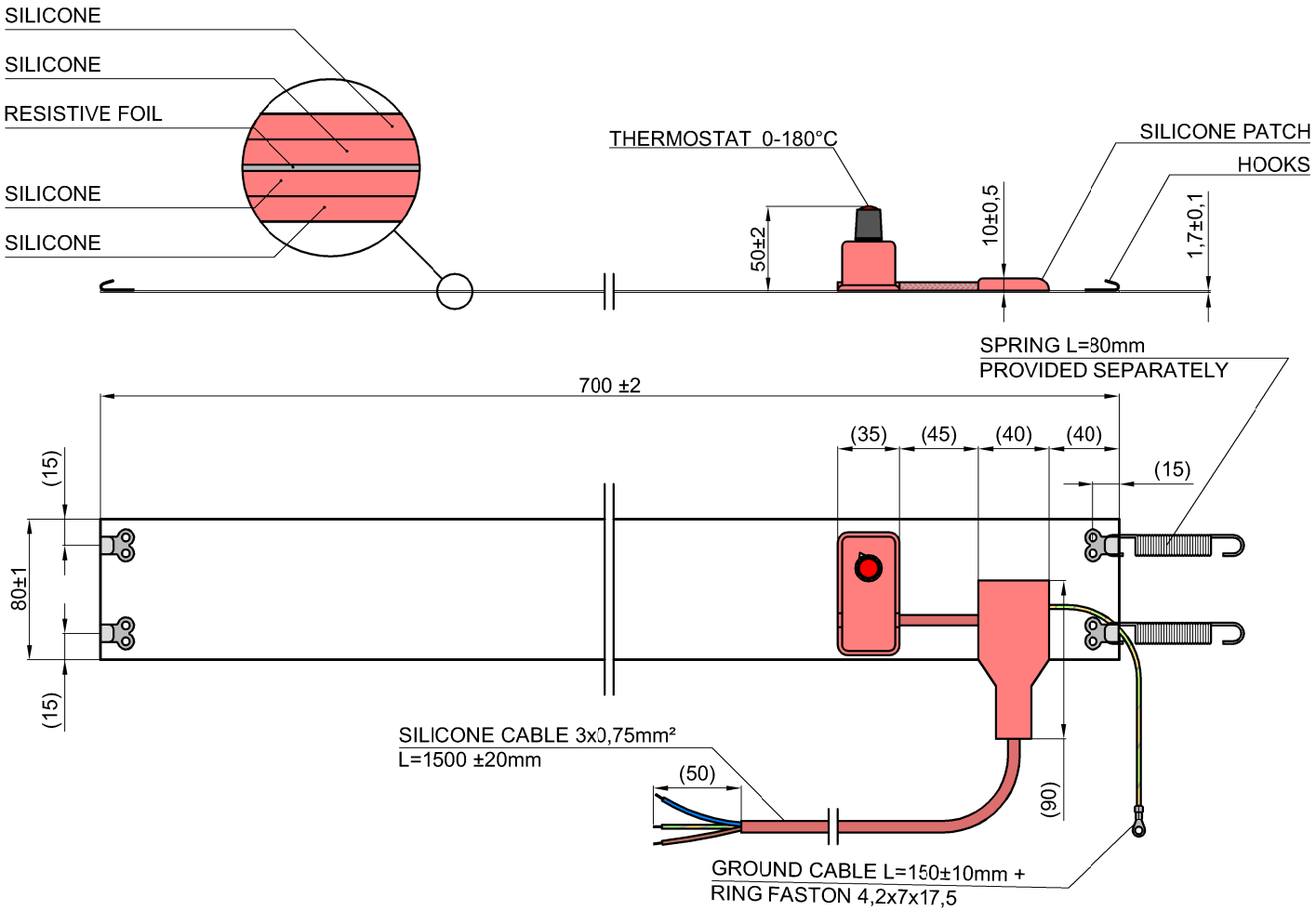
How to apply adhesive heaters to a surface
- Application should be made with an ambient temperature between 15 and 30 degrees C and humidity in the range of 30%-70%.
- The surface must be clean and dry. Clean the surface with clean and soft cloth using a mild solvent compatible with the materials(e.g. alcohols). The compatibility between solvent and surface should first be tested on a small area.
- A pressure of 10-15 N/cm² should be used to apply the heater to the surface. Pay attention not to form air bubbles between the heater and the surface.
- Once the adhesive heaters is applied wait 24 hours for the proper curing of the adhesive.

CUSTOMER APPROVAL
Date

Customer Stamp and
Signature of person in charge

_____ /_____ /_____

The drawing must be verified carefully by the customer in all its parts. Adequate tests have to be carried out by the customer in order to verify the suitability of the product in the final application. In the absence of feed back, the project will be considered as corresponding to the expectations.



MARKING: DATE - BATCH NUMBER - SEDES - ITALY - VOLT - WATT - CE

Pos.	SEDES part no.	CUSTOMER part no.	VOLT	WATT (20°C)	W/cm²
01	503020441	TO BE DEFINED	230	400 +5% -10%	0,89

Modification	Description	Date	Signature

SEDES GROUP HEATING ELEMENTS

Denomination: ULTRAFLAT HEATING ELEMENT		Drawing no.: SEE TAB.	
Applicability		Scale: 1:4	
Date: 13/04/23	Draw: CDA	Material: SILICONE RUBBER	Product approval: CE
Date	Appr.	Customer: LNS	Customer part no.: SEE TAB.

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