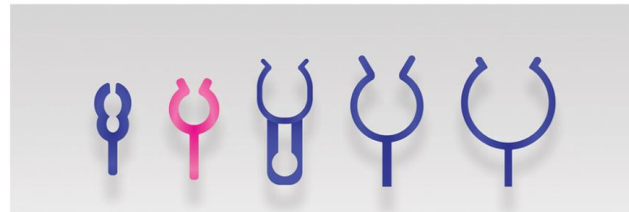
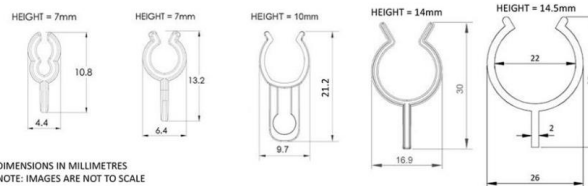


**THERMO CLIP
THERMO SPOT
THERMO WRAP**

FLEXIMARK


LAPP

Fleximark Thermo Clip



- Överhettningssindikator
- Enkel installation
- Tydlig indikation vid okulär inspektion
- Passar kablar med diameter 2,3 mm till 31 mm
- Lämplig för 36kVAC/600VDC kretsar

Fleximark Thermo Clip

83881100	DATA SHEET	
Valid from: 11.05.2022	FLEXIMARK® THERMO CLIP™	


The Thermo Clip™ Series serve as overtemperature indicators for electrical assets. Using a patented Thermochromic technology, these easily-installed clips provide a color-changing visual indicator. It works as part of the visual component in the inspection process prior to and between infrared and ultrasound inspections. With a memory-effect feature, these non-conductive clips can also let inspectors see a permanent record of overtemperature excursions in intermittently loaded systems.



Technical data

Material:	5-10% Thermochromic Masterbatch. 90-95% Polypropylene, flame retardant to UL94V0 self extinguishing rating, nonhalogenated.
Initial Color Change Temperature:	53°C
Permanent Color Change Temperature:	71°C
Tolerance:	+/- 1°C
Response Time:	5 to 20 Seconds
Storage:	Store at room temperature & humidity (i.e. 16°C to 27°C & 40% to 60% RH)
Product Lifespan:	Replace overtemperature connection indicators within a maximum lifespan interval of 5 years
Dielectric Strength:	44Kv Per mm
Wire Insulation Rating:	36kVAC/600VDC

Fleximark Thermo Clip

83881100	DATA SHEET	
Valid from: 11.05.2022	FLEXIMARK® THERMO CLIP™	

Installation:

Thermo Clip™ Series Clips are designed to be push fitted only onto the outer insulation of a cable, adjacent (15mm-30mm distance) to its connection terminal. Thermo Clip™ should not be inserted anywhere into the current carrying path of the circuit or directly attached to bare live metal parts of the circuit.

Caution: Thermo Clip™ Series are designed for use on electrical cables and as such installation must be assessed by a competent electrician licensed to applicable local requirements prior to their application.


Color:

Purple

Approvals:

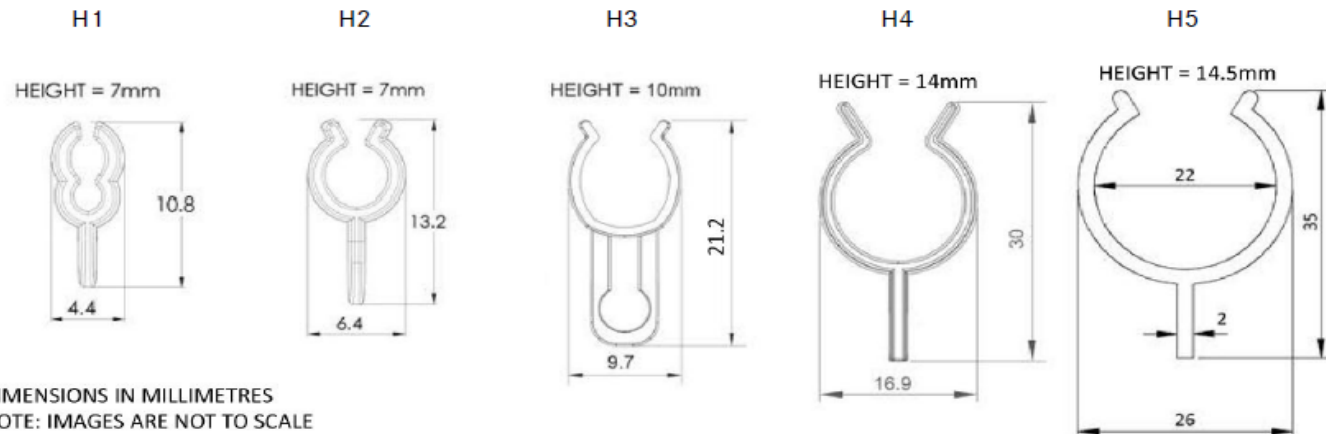


Fleximark Thermo Clip


83881100	DATA SHEET	
Valid from: 11.05.2022	FLEXIMARK® THERMO CLIP™	

Product data:

E-number	LAPP Article No.	Designation	Cable Ø (mm)	Wire Range	Quantity /PU
	83881100	Thermo Clip™ H1 70°C -50	2,3-4,2	17-12 AWG	50
	83881101	Thermo Clip™ H1 70°C -1000	2,3-4,2	17-12 AWG	1000
	83881102	Thermo Clip™ H1 70°C -5000	2,3-4,2	17-12 AWG	5000
	83881103	Thermo Clip™ H2 70°C -50	4.8-7.1	10-6 AWG	50
	83881104	Thermo Clip™ H2 70°C -500	4.8-7.1	10-6 AWG	500
	83881105	Thermo Clip™ H2 70°C -5000	4.8-7.1	10-6 AWG	5000
	83881106	Thermo Clip™ H3 70°C -25	8-13.6	4-2/0 AWG	25
	83881107	Thermo Clip™ H3 70°C -250	8-13.6	4-2/0 AWG	250
	83881108	Thermo Clip™ H3 70°C -2000	8-13.6	4-2/0 AWG	2000
	83881109	Thermo Clip™ H4 70°C -12	13.8-23	3/0-350 MCM	12
	83881110	Thermo Clip™ H4 70°C -120	13.8-23	3/0-350 MCM	120
	83881111	Thermo Clip™ H4 70°C -500	13.8-23	3/0-350 MCM	500
	83881112	Thermo Clip™ H5 70°C -6	23-31	400-750 MCM	6
	83881113	Thermo Clip™ H5 70°C -60	23-31	400-750 MCM	60
	83881114	Thermo Clip™ H5 70°C -240	23-31	400-750 MCM	240



Fleximark
Thermo Clip

83881100	DATA SHEET	
Valid from: 11.05.2022	FLEXIMARK® THERMO CLIP™	

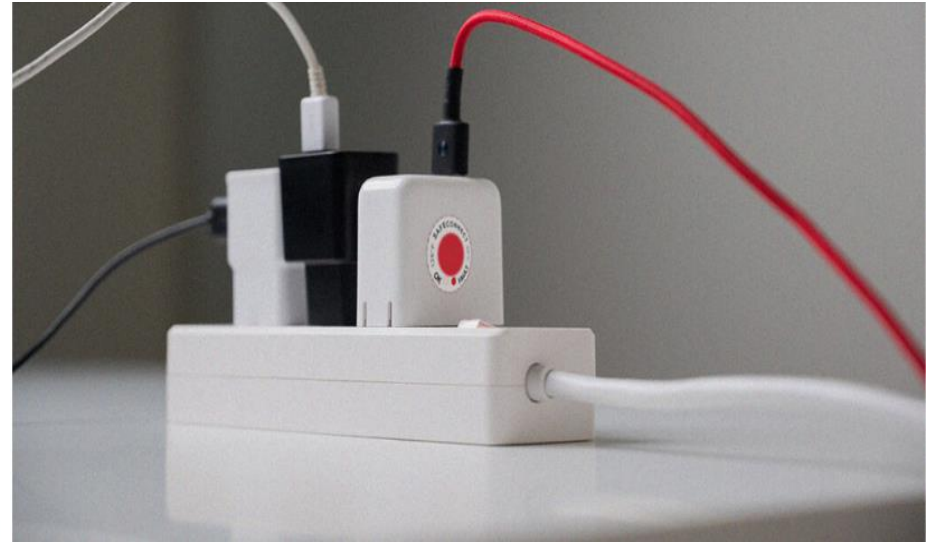


Not activated



Activated

Fleximark Thermo Spot



- Överhettningssindikator
- Enkel installation
- Självhäftande
- Tydlig indikation vid okulär inspektion
- Diameter 17 mm

Fleximark Thermo Spot

83881128	DATA SHEET	
Valid from: 11.05.2022	FLEXIMARK® THERMO SPOT™	

The Thermo Spot™ series are self-adhesive, surface temperature monitoring labels for plugs, adaptors, and extension sockets. Using a patented Thermochromic technology, these easily-installed labels provide a permanent color-changing visual indicator of electrical overloaded or deterioration. This pre-emptive fault indication provides an early warning through visual indication before any type of failure or fire occur.



Technical data:

Material:	Polyester
Covering film:	Polyester
Adhesive:	Acrylic
Response time:	2 to 5 seconds
Color Change Material:	Non-toxic, white crystalline solid on a red absorbent backing, adhered with acrylic adhesive

Technical features:

Activation Temperature:	52°C / 126°F
Tolerance:	-/+ 1°C
Recommended storage:	Store at room temperature & humidity (i.e. 16 to 27°C / 60 to 80°F & 40 to 60% RH)
Service life:	3 years (if installed as per datasheet guidance)

Fleximark Thermo Spot

83881128	DATA SHEET	
Valid from: 11.05.2022	FLEXIMARK® THERMO SPOT™	

Installation:

Peel the Thermo Spot™ label from the backing paper. Apply to a dust & grease free surface. Apply onto plastic external surfaces of electrical plugs, adaptors, extension sockets or household sockets. Ensure that the labels are applied to a surface that will be visible when in use. Endeavour to not touch, scratch or damage the surface of the label. The Indicator spot will change color from pink to red if the surface temperature reaches 52 °C setpoint. If a label turns Red (alert temperature) switch off appliance and seek advice from a competent electrician. For indoor use only.

Caution: These labels are designed for use only on the external plastic surfaces of electrical plugs, adaptors, extension sockets, household sockets and general electrical equipment.

Fleximark
Thermo Spot

83881128	DATA SHEET	
Valid from: 11.05.2022	FLEXIMARK® THERMO SPOT™	

Product data:

E-number	LAPP Article No.	Designation	Ø (mm)	Quantity/PU
	83881128	Thermo Spot™ 52°C - 1000	17	1000
	83881129	Thermo Spot™ 52°C - 200	17	200
	83881130	Thermo Spot™ 52°C - 50	17	50
	83881131	Thermo Spot™ 52°C - 20	17	20

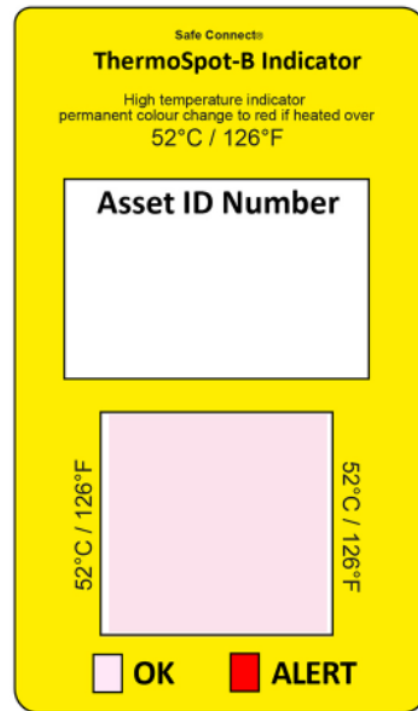


Not activated




Activated

Fleximark Thermo Spot-B

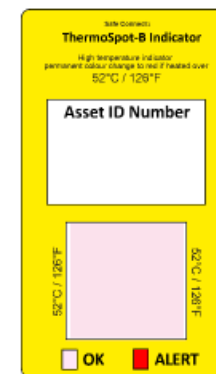


- Överhettningssindikator
- Enkel installation
- Självhäftande
- Tydlig indikation vid okulär inspektion
- 100mm x 45 mm

Fleximark Thermo Spot-B

83881132	DATA SHEET	
Valid from: 11.05.2022	FLEXIMARK® THERMO SPOT-B™	

The Thermo Spot-B™ series are self-adhesive, surface temperature monitoring labels for use on busbars and other electrical equipment. Using a patented thermochromic technology, these easily-installed labels provide a permanent color-changing visual indicator of electrical overload or deterioration. This pre-emptive fault indication provides an early warning through visual indication before any type of failure or fire occur.



Technical data:

Adhesive type:	Acrylic
Carrier:	Polyester
Covering film:	Polyester
Response time:	2 to 5 seconds
Color Change Material:	Non-toxic, white crystalline solid on a red absorbent backing, adhered with acrylic adhesive

Technical features:

Activation Temperature:	52 °C
Tolerance:	-/+ 1 °C
Recommended storage:	Store at room temperature & humidity (i.e. 16 to 27 °C, 40 to 60% RH)
Service life:	3 years (if installed as per datasheet guidance)
Dimensions:	100 mm x 45 mm (3.94 " x 1.77 ")

Fleximark Thermo Spot-B

83881132	DATA SHEET	
Valid from: 11.05.2022	FLEXIMARK® THERMO SPOT-B™	

Installation:

Peel the Thermo Spot-B™ label from the backing paper. Apply to a dust & grease free surface. Apply onto external surfaces of busbar. Ensure that the labels are applied to a surface that will be visible when in use. Endeavour to not touch, scratch or damage the surface of the label. The Indicator spot will change color from pink to red if the surface temperature reaches 52° C setpoint. If a label turns Red (alert temperature) switch off appliance and seek advice from a competent electrician. For indoor use only

Caution: These labels are designed for use only on external surfaces of busbars and general electrical equipment.

LIMITATIONS:

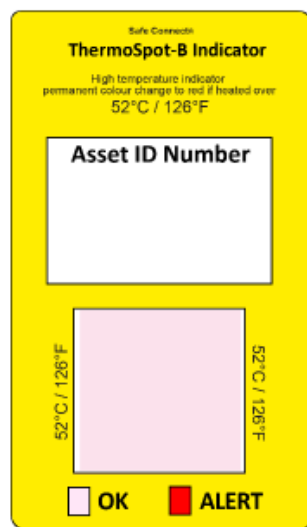
- These labels are not suitable for unprotected use outdoors or in direct sunlight. They are vulnerable to degradation and non-performance from prolonged exposure to ultra-violet (UV) light or high Relative Humidity.
- These labels will not prevent electrical faults or fires but will aid in monitoring abnormal temperatures and will give visual indication of potential electrical faults and fire risks.
- These labels do not replace the need to formally install, test, inspect and maintain electrical installations as per the Electricity at Work Act, the Electrical Installation Wiring Regulations and Manufacturer's Instructions.
- This information is provided solely for consideration, investigation and verification by the user. ThermoSpot-B are made to the highest standard however they are not suitable for all environmental applications. The customer must ensure that they are suitable for use in their application.

Fleximark Thermo Spot-B

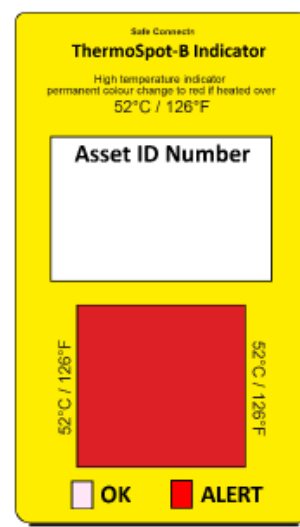
83881132	DATA SHEET	
Valid from: 11.05.2022	FLEXIMARK® THERMO SPOT-B™	

Product data:

E-number	LAPP Article No.	Designation	Dimension (mm)	Quantity/PU
	83881132	Thermo Spot-B™ 52°C - 1000	100 x 45	1000
	83881133	Thermo Spot-B™ 52°C - 200	100 x 45	200
	83881134	Thermo Spot-B™ 52°C - 50	100 x 45	50
	83881135	Thermo Spot-B™ 52°C - 20	100 x 45	20



Not activated




Activated

Fleximark Thermo Wrap



- Överhettningssindikator
- Enkel installation
- Självhäftande
- Tydlig indikation vid okulär inspektion
- 115 mm x 18 mm

Fleximark Thermo Wrap

83881120	DATA SHEET	
Valid from: 11.05.2022	FLEXIMARK® THERMO WRAP™	

The Thermo Wrap™ series are self-adhesive, hot-connection cable wraps that provide elevated temperature indication to the naked eye. These calibrated, temperature-activation strips provide 24/7 monitoring and permanent color change as an early warning through visual indication before any type of failure or fire occur.




Technical data:

Material:	Polyester
Covering film:	Polyester
Adhesive:	Acrylic
Response time:	2 to 5 seconds
Color Change Material:	Non-toxic, white crystalline solid on a black absorbent backing, adhered with acrylic adhesive.

Technical features:

Activation Temperature:	70 °C and 90 °C
Tolerance:	-/+ 1 °C
Recommended Storage:	Store at room temperature & humidity (i.e. 6 to 27 °C & 40 to 60% RH)
Service Life:	5 years (if installed as per datasheet guidance)
Dimensions:	115 x 18 mm

Fleximark Thermo Wrap


83881120	DATA SHEET	 FLEXIMARK
Valid from: 11.05.2022	FLEXIMARK® THERMO WRAP™	

Application:

Peel the Thermo Wrap temperature-indicating label from the backing paper. Apply to a dust & grease free surface. If applying to a cable, preferably wrap the self-adhesive label around the cable and back on top of itself. For indoor use only.

Caution: These labels are designed to use on electrical equipment and as such electrical safety must be assessed by a competent electrician prior to their application.

Fleximark Thermo Wrap

83881120	DATA SHEET	
Valid from: 11.05.2022	FLEXIMARK® THERMO WRAP™	

Product data:

E-number	LAPP Article no.	Article description	Size/Marker (mm)	Pieces / PU
	83881120	FLEXIMARK Thermo Wrap™ 70°C -1000	115x18	1000
	83881121	FLEXIMARK Thermo Wrap™ 70°C -200	115x18	200
	83881122	FLEXIMARK Thermo Wrap™ 70°C -50	115x18	50
	83881123	FLEXIMARK Thermo Wrap™ 70°C -20	115x18	20
	83881124	FLEXIMARK Thermo Wrap™ 90°C -1000	115x18	1000
	83881125	FLEXIMARK Thermo Wrap™ 90°C -200	115x18	200
	83881126	FLEXIMARK Thermo Wrap™ 90°C -50	115x18	50
	83881127	FLEXIMARK Thermo Wrap™ 90°C -20	115x18	20



Not activated



Activated

THANK YOU FOR YOUR ATTENTION