

Condensation protection solutions

Heaters are used to prevent the formation of condensation inside the electrical panel caused by low temperatures or humidity. They protect the electrical and electronic components from the harmful effects of condensation and corrosion.

FUCSIS
anti-condensation heaters

Most of our products are available
in the industrial engineering software:



■ H SERIES | HEATERS

The heaters, with self-regulating PTC technology, are designed to prevent the formation of condensation and ensure a minimum safe operating temperature inside the electrical cabinet.

The static version is available with metal or touch-safe plastic cover and with cable connection or quick plug-in terminal block.



TOUCH-SAFE PROTECTION

Low surface thermal conductivity to keep safe maintenance operations (plastic version)

CASING MATERIAL

Metal or touch-safe plastic cover

■ **SIMPLE MOUNTING**

Clip fastening system for 35mm DIN rail

ELECTRICAL CONNECTION

Cable or cage clamp tool-less terminal

■ **PRECISE CONTROL**

Can be fitted with optional thermostat or hygrostat to monitor temperatures and humidity levels

APPROVALS



■ Details that make the difference



Cage clamp terminal



Touch-Safe (plastic cover)



Clip system

H SERIES | HEATERS WITH FAN

Heaters with integrated axial fan regulate the relative humidity of the air and evenly distribute the heat generated inside the panel to prevent condensation. They are available with metal or touch-safe plastic cover and can be connected with a quick plug-in terminal block.



THERMAL PROTECTION
Integrated device against overheating



TOUCH-SAFE PROTECTION
Low surface thermal conductivity to keep safe maintenance operations (plastic version)



ELECTRICAL CONNECTION
Cage clamp tool-less terminal



SIMPLE MOUNTING
Clip fastening system for 35mm DIN rail



FAN
Long-life axial fan for evenly distributed air temperature

Model numbering system for H SERIES

description	H	V	M	S	150	T	HP	-	230	-	S00	description
FAMILY H												CUSTOM SERIES S** = custom version
SUBFAMILY T = terminal block series V = ventilated series W = wire series												VOLTAGE 115 = 115 Va.c. 230 = 230 Va.c. () = 110-240 Va.c./Vd.c.
COVER M = metal P = plastic												VERSION HP = High Performance
SIZE S = small B = big () = standard												PROTECTION T = with thermal protection () = without thermal protection
POWER												
005 = 5 W	020 = 20 W	045 = 45 W	100 = 100 W	250 = 250 W								
010 = 10 W	025 = 25 W	060 = 60 W	150 = 150 W	350 = 350 W								
015 = 15 W	030 = 30 W	080 = 80 W	200 = 200 W									



H series heater with cable

- Metal (HWM) or touch-safe plastic (HWP) cover, accidental contact protection
- 3x20AWG cable with 500mm length
- Clip fastening system for DIN rail TS35
- Heating element consists of a PTC resistor



Model	Dimensions	Rated Voltage	Heating Power	Approvals
	mm		W	
HWM005	78x28x49	110-240 V a.c./d.c.	5	cURus
HWM010	78x28x49	110-240 V a.c./d.c.	10	cURus
HWM015	78x28x49	110-240 V a.c./d.c.	15	cURus
HWM015X	78x28x49	110-240 V a.c./d.c.	15	-
HWM020	78x28x49	110-240 V a.c./d.c.	20	cURus
HWM025	108x28x49	110-240 V a.c./d.c.	25	cURus
HWM030	108x28x49	110-120 V a.c./d.c.	30	cURus
HWM030X	108x28x49	110-240 V a.c./d.c.	30	-
HWM045	108x62x85	110-240 V a.c./d.c.	45	cURus
HWM045X	108x62x85	110-240 V a.c./d.c.	45	-
HWM060	108x62x85	110-240 V a.c./d.c.	60	cURus
HWM060X	108x62x85	110-240 V a.c./d.c.	60	-
HWM080	158x62x85	110-240 V a.c./d.c.	80	cURus
HWM100	158x62x85	110-240 V a.c./d.c.	100	cURus
HWM150	208x62x85	110-240 V a.c./d.c.	150	cURus
HWMS080X	108x62x85	110-240 V a.c./d.c.	80	-
HWMS100X	108x62x85	110-240 V a.c./d.c.	100	-
HWMS150X	158x62x85	110-240 V a.c./d.c.	150	-
HWP045	108x62x85	110-240 V a.c./d.c.	45	cURus
HWP060	108x62x85	110-240 V a.c./d.c.	60	cURus
HWP080	158x62x85	110-240 V a.c./d.c.	80	cURus
HWP100	158x62x85	110-240 V a.c./d.c.	100	cURus
HWP150	208x62x85	110-240 V a.c./d.c.	150	cURus



H series heaters with terminal block

- Metal (HWM) or touch-safe plastic (HWP) cover for accidental contact protection
- Screwless terminals for electrical connection
- Clip fastening system for DIN rail TS35
- Heating element consists of a PTC resistor



Model	Dimensions mm	Rated Voltage	Heating Power W	Approvals
HTM045	138x62x85	110-240 V a.c./d.c.	45	cURus
HTM060	138x62x85	110-240 V a.c./d.c.	60	cURus
HTM080	188x62x85	110-240 V a.c./d.c.	80	cURus
HTM100	188x62x85	110-240 V a.c./d.c.	100	cURus
HTM150	238x62x85	110-240 V a.c./d.c.	150	cURus
HTMS080X	138x62x85	110-240 V a.c./d.c.	80	-
HTMS100X	138x62x85	110-240 V a.c./d.c.	100	-
HTMS150X	188x62x85	110-240 V a.c./d.c.	150	-
HTP045	138x62x85	110-240 V a.c./d.c.	45	cURus
HTP060	138x62x85	110-240 V a.c./d.c.	60	cURus
HTP080	188x62x85	110-240 V a.c./d.c.	80	cURus
HTP100	188x62x85	110-240 V a.c./d.c.	100	cURus
HTP150	238x62x85	110-240 V a.c./d.c.	150	cURus



H series heaters with fan

- Metal (HVM) or touch-safe plastic (HVP) cover for accidental contact protection
- Screwless terminals for electrical connection
- Clip fastening system for DIN rail TS35
- Heating element consists of a PTC resistor with integrated bimetal thermal protector



Model	Dimensions mm	Rated Voltage	Heating Power W	Approvals
HVMS200THP-115	143x62x85	115 V a.c.	200	cURus
HVMS200THP-230	143x62x85	230 V a.c.	200	-
HVMS250THP-115	193x62x85	115 V a.c.	250	cURus
HVMS250THP-230	193x62x85	230 V a.c.	250	cURus
HVMS350THP-115	243x62x85	115 V a.c.	350	cURus
HVMS350THP-230	243x62x85	230 V a.c.	350	-
HVPS200THP-115	143x62x85	115 V a.c.	200	cURus
HVPS200THP-230	143x62x85	230 V a.c.	200	-
HVPS250THP-115	193x62x85	115 V a.c.	250	cURus
HVPS250THP-230	193x62x85	230 V a.c.	250	cURus
HVPS350THP-115	243x62x85	115 V a.c.	350	cURus
HVPS350THP-230	243x62x85	230 V a.c.	350	-

