



MSH^{ex} Anti-condensation motor heater

Features

- Silicone-free
- Self-limiting
- Other lengths on request

Description

This flexible heating cable is used in explosive atmospheres to heat electric motors and generators at standstill. It provides reliable protection against corrosion damage and the associated mechanical breakdowns because it effectively prevents condensation from forming, even under extreme conditions.

The heater is supplied ready to connect, which is done via an M20 screwed cable connection fed into an Ex e distributor, or is directly clamped to terminals in an Ex room without a screwed connection.

As these heating cables are self-limiting, overheating is prevented, even if they are laid on top of each other.

An additional temperature limiter is not required.

Structure of the heating cable

- Copper power conductor wire 1.2 mm², nickel-plated
- Self-limiting plastic heating element
- Insulation sleeve made of FEP
- Tin-plated copper braiding
- Protective sleeve made of FEP

Explosion protection

Ex protection type

Ex II 2G Ex e II T 200 °C (T2), T3

Certification

KEMA 08 ATEX 0109
IECEx KEM 09.0082

Thermal safety

EN 60519-2; Section 13, class 0

Temperature class

Version 110 V T2
Version 230 V T3

Technical data

Max. temperatures at place of use

switched-on -40 °C up to +120 °C
permanently -40 °C up to +170 °C
switched-off -40 °C up to +170 °C

Nominal voltage

208 V to 254 V or 110 V to 120 V

Heating output at 10 °C

12 W, 24 W, 48 W and 96 W
at a specific heating output of 45 W/m

Insulation testing

AC 1500 V for 1 minute

Terminal wires with FEP isolation

fine-stranded with tin-plated copper wires 1.5 mm²,
green and yellow protective earth conductor 2.5 mm²

Heat conductor closing

shrink-fit hose made of PTFE/FEP

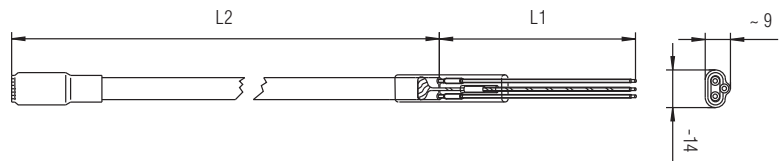
Min. bending radius

25 mm

Size of heating cable diameter

10.2 mm x 4.8 mm

Dimensions



Selection chart HSB heating cable Type 45

Heating output	Heated length (mm) L1	Power conductor length (mm) L2	Complete order no.
12 W	270	300	27-1776-□ 0300012
24 W	540	300	27-1776-□ 0300024
48 W	1070	1000	27-1776-□ 1000048
96 W	2140	1000	27-1776-□ 1000096

Nominal voltage	Code no.
110 V	6
230 V	7

Please enter code number.