

ACCESSORIES FOR SELF-REGULATING HEATING CABLES

CONTROL UNITS

CTAHTC1

Thermostatic control unit for heating systems

1 control zone



APPLICATIONS

Power on/off control of self-regulating heating circuits in presence of the appropriate climatic conditions detected by temperature and moisture sensors

FEATURES

- Supply voltage: 230 V AC
- 1 control zone**
output current rating: 1 × 16 A (3600 W)
- Adjustable setpoint temperature range: 0 °C / 10 °C
- Works with STGHTC1, STHTC1 and STUHTC1 sensors** (page 210, page 211)
- Operating ambient temperature range: -10 °C / +50 °C
- Degree of protection: IP20
- Dimensions: 86 × 52 × 59 mm
- Weight: 200 g

ref.	item	min. / mult. ord. qty (pcs)
CTAHTC1	CTAHTC1	1

CTAHTC2

Thermostatic control unit for heating systems

2 control zones



APPLICATIONS

Power on/off control of self-regulating heating circuits in presence of the appropriate climatic conditions detected by temperature and moisture sensors

FEATURES

- Supply voltage: 115-240 V AC, 50-60 Hz
- 2 control zones**
output current rating: 3 × 16 A
- LCD Display
- Adjustable setpoint temperature range: -20 °C / +10 °C
- Works with STGHTC1, STHTC1 and STUHTC1 sensors** (page 210, page 211)
- Operating ambient temperature range: 0 °C / +50 °C
- Degree of protection: IP20
- Dimensions (A × L × P): 90 × 156 × 45 mm
- Weight: 600 g
- CE Marking
- Compliant to Directives: 2014/35/UE (LVD) and 2014/30/UE (EMC) (according to EN 60730-2-9 Standard)

ref.	item	min. / mult. ord. qty
CTAHTC2	CTAHTC2	1

ACCESSORIES FOR SELF-REGULATING HEATING CABLES

CONTROL UNITS

CTRHTC1

Thermostatic control unit for tracing of pipes and tanks



APPLICATIONS

Power on/off control of self-regulating heating circuits in presence of the appropriate conditions detected by temperature sensor STCHTC1

FEATURES

- Supply voltage: 24-230 V AC, 50-60 Hz
- output current rating: 1 × 8 A (max resistive load at 230 V: 1760 W)
- 3 dgt. LED display
- Adjustable setpoint temperature range
- **Works with STCHTC1 temperature sensors** (page 210)
- Operating ambient temperature range: 0 °C / +50 °C
- Degree of protection: front IP40, terminals IP20
- Compliant to Directives:
2014/35/UE (LVD) (according to EN 60730-2-9 Standard)
and 2014/30/UE (EMC) (according to EN 55014, CEI EN 61000)
- Dimensions (A × L × P) : 87 × 70 × 65 mm (4 DIN modules)

ref.	item	min. / mult. ord.q.ty (pcs)
CTRHTC1	CTRHTC1	1

STCHTC1

Temperature sensor
for self-regulating heating cables



APPLICATIONS

- Temperature sensing in pipe and tanks self-regulating heat tracing systems, in combination with CTRHTC1 control unit

FEATURES

- Operating mode: temperature sensing
- Signal type: Ω (resistance)
- Sensor type: Platinum thermoresistor (100 Ω at 0 °C)
- To be used in combination with CTRHTC1 control unit** (page 209)
- Accuracy (IEC CEI EN 60751): class B
- Degree of protection: IP68
- Operating temperature range (sensor + cable): -50 °C / +110 °C
- Sensor dimension= (Diam. x Length): 5 x 20 mm
- Connecting cable: Conductor cross-section: 2 x 1,5 mm²
Cable length: 1,5 m (extensible up to 50 m)

ref.	description	min. / mult. ord.qty (pcs)
STCHTC1	STCHTC1 Contact temperature sensor	1

STUHTC1

Outdoor temperature, humidity and snow detection combined sensor
for ramps and pavements



APPLICATIONS

- Temperature, humidity conditions and snow presence detection for the control unit CTAHTC1 in heating tracing systems on outdoor surfaces (pedestrian and vehicles).
- Connection to CTAHTC1 or CTAHTC2 control unit

FEATURES

- Installation flush to surface to be heated
- Degree of protection: IP68
- Operating temperature range: -50 / +70 °C
- Dimensions: 63,5 x 78 mm (\varnothing x h) – Weight: 250 g
- Connecting cable: Conductor cross-section: 6 x 1,5 mm²
Length: 10 m (extensible up to 200 m, with total wire resistance less than 10 Ω)

ref.	description	min. / mult. ord.qty (pcs)
STUHTC1	STUHTC1 Outdoor temperature, humidity and snow detection combined sensor	1

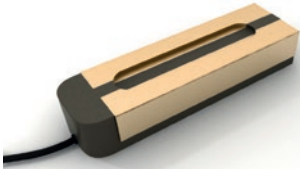
ACCESSORIES FOR SELF-REGULATING HEATING CABLES

SENSORS

STGHTC1

Humidity sensor

for gutters and downspouts



APPLICATIONS

- Humidity conditions detection in roof self-regulating heat tracing systems,
- Installation in gutters and downspouts
- To be used in combination with CTAHTC1 o CTAHTC2 control units

FEATURES

- Operating mode: humidity detection
- Degree of protection: IP68
- Operating temperature range: -50 °C / +70 °C
- Dimensions: 105 × 30 × 13 mm
- Connecting cable:
- Conductor cross-section 4 × 1,5 mm²
- Length: 10 m (extensible up to 200 m, with total wire resistance less than 10 Ω)

ref.	description	min. / mult. ord.qty (pcs)
STGHTC1	STGHTC1 Humidity sensor	1

STTHTC1

Outdoor temperature sensor

for self-regulating heating cables



APPLICATIONS

- Temperature conditions detection in heating tracing systems on roofs
- To be used in combination with CTAHTC1 o CTAHTC2 control units

FEATURES

- Operating mode: temperature detection
- Degree of protection: IP54
- Operating temperature range: -50 °C / +70 °C
- Dimensions: 50 × 50 × 35 mm
- Connecting cable:
- Conductor cross-section: 2 × 1,5 mm²
- Length: 10 m (extensible up to 50 m, with total wire resistance less than 10 Ω)

ref.	description	min. / mult. ord.qty (pcs)
STTHTC1	STTHTC1 Outdoor temperature sensor	1

ACCESSORIES FOR SELF-REGULATING HEATING CABLES CABLE JOINTS

SHARK 306

Gel joint with 3-pole terminal block
for hot lead/cold lead connection and
heating cable connection



APPLICATIONS

Connection of heating cable (hot lead) and power supply cable (cold lead)
or connection between heating cables in heat tracing systems

FEATURES

- Conductor cross-section: $3 \times 1,5 - 6 \text{ mm}^2$
- Ready to use
- Re-enterable
- Unlimited shelf life
- Non-toxic – Eco-friendly
- CE Marking – RoHS compliant
- Compliant to EN 50393 Standard
for low voltage joints up to 0.6/1 kV

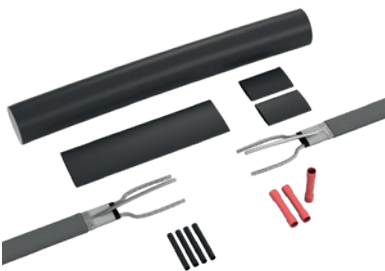
KIT CONTENTS

- Gel pre-filled PP shell
- 3-pole terminal block for copper-to-copper, aluminium-to-aluminium or copper-to-aluminium connections (hex key included)
- Nylon ties

ref.	description	min. / mult. ord.qty (pcs)
SH0306	SHARK 306 Gel joint with 3-pole terminal block for HTC-S, HTC-P and HTC-H series heating cables	1

GBHTC1

Heat shrink joint with insulated compression connectors
for heating cables connection



APPLICATIONS

Connection of heating cables in heat tracing systems, also in presence of pipe insulation

KIT CONTENTS

- Insulated compression connectors
- Heat-shrink tubing for insulating bus wires and screen
- Sealant-coated outer heat shrink tubing for protecting and insulating joint

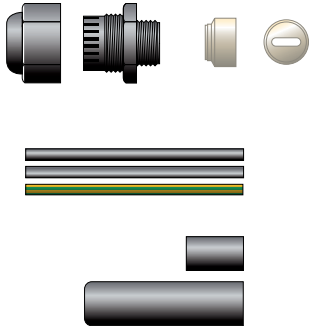
ref.	description	min. / mult. ord.qty (pcs)
GBHTC1	GBHTC1 Heat-shrink joint with insulated connectors for HTC-S, HTC-P and HTC-H series heating cables	1

ACCESSORIES FOR SELF-REGULATING HEATING CABLES

KTA

Termination and power supply connection kit

for self-regulating heating cables



APPLICATIONS

Use in tracing systems made with self-regulating heating cables for:

- Heating cable connection to power supply junction box
- Heating cable termination on unpowered side

KIT CONTENTS

- Heat shrink tubing
- Shaped cable gland, for passing the heating cable through power supply junction box

ref.	description	min. / mult. ord.qty (pcs)
KTA00S	KTA00S Connecting kit for HTC-S series heating cables	1
KTA0PH	KTA0PH Connecting kit for HTC-P and HTC-H series heating cables	1

KCP

Pipe-insulation pass-through kit

for self-regulating heating cables



APPLICATIONS

- Utilizzo in impianti traccianti realizzati con cavi scaldanti autoregolanti nei punti di attraversamento del coibente delle tubazioni

KIT CONTENTS

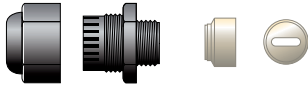
- Perforated stainless steel plate, to be applied to pipe insulation
- Shaped cable gland for passing the heating cable through the insulation

ref.	description	min. / mult. ord.qty (pcs)
KCP00S	KCP00S Pipe-insulation pass-through kit for HTC-S series heating cables	1
KCP0PH	KCP0PH Pipe-insulation pass-through kit for HTC-P and HTC-H series heating cables	1

ACCESSORIES FOR SELF-REGULATING HEATING CABLES

PRHTC

Shaped cable gland
for self-regulating heating cables



APPLICATIONS

Use in tracing systems made with self-regulating heating cables for passing the cable through junction boxes and/or power supply boxes

ref.	description	min. / mult. ord.qty (pcs)
PRHTC1	PRHTC1 Shaped cable gland for HTC-S series heating cables	1
PRHTC2	PRHTC2 Shaped cable gland for HTC-P and HTC-H series heating cables	1

ISOALL[®]

ISOALL[®]
Aluminium foil tape with adhesive



APPLICATIONS

- Fixing of heating cables to pipes and tanks
- Heating cable protection in the absence of pipe-insulation
- Improvement of cable thermal performance on plastic pipes

KEY FEATURES

- Highly conformable
- Good mechanical strength

FEATURES

- Operating temperature range: -20 °C / +110 °C
- Tensile strength: 13,5 N/cm (AFERA 4004)
- Elongation: 2,5 % (AFERA 4005)
- Adhesiveness on steel: 10 N/cm (AFERA 4001)
- Adhesiveness on backing: 8 N/cm (AFERA 4001)

ref.	description	min. / mult. ord. qty (pcs)
NA9050	ISOALL Aluminium foil tape with adhesive 50 mm × 50 m × 0,065 mm	1