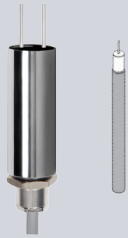




Ex S GH. ALAT

System Heizleiterverbinder



Characteristics

| |
|---|
| Connection coupling for all common types of heating cable |
| Easy installation |
| No heating necessary |
| 20 years of use |
| Pre-assembled casting compound |
| Screw-/clamp fastening by use of M24 nut |

The system certificate contemplates the heat conductor connector in connection with the corresponding heating cables. This system certificate facilitates an explosion control contemplation during the installation at the end customer and at the designated testing facility. The system is certified for Ex zone 1 and 2.

Part of this operating manual is the separately available operating manual Ex GH.ALAT or rather Ex GHL ALAT.

It is available for download under www.erich-ott.de.

The system consists of the designated types of heating cables and the connection fittings, which consist of 2 components, that must be ordered separately.

- The heating cable connector incl. clamping part / sleeve and connection fitting
- The cast resin components A and B



Additionally a duct can be ordered, which facilitates the assembly execution out of the insulation and produces a clear and professional connection point. If the heat conductor connector should be connected to an assembly iron or similar, a M24 nut is placed standard above a thread in delivery state.

The fully assembled connection is preferably fixed as loop outside the isolation or under the isolation directly on the pipeline. At this the maximum ambient temperatures of the EU type examination certificate as well as the indications of this operating manual must be observed.

The cross-sections of the supply line as well as the material and the length of the connection cable must be specified from the type code of the operating manual Ex GH... ALAT bzw. EX GHL ALAT.

| | | |
|---|-------------------------------------|--------------------------|
| Heating cable mineral insulated | Type examination certificate | Heat conductor connector |
| Heatchem H400 / H600-A / H321-A | SIRA10ATEX3216 | GH/ GHL |
| Pentair (Raychem) HDC / HDF | Baseefa02ATEX0045U | |
| Pentair (Raychem) HSQ / HIQ | Baseefa02ATEX0045U | |
| Pentair (Raychem) HAX | Baseefa02ATEX0045U | |
| Thermon MIS / MIQ | ISSeP12ATEX004U | |
| TraceTec (ISOHEAT) ISOHEAT-MI-FHC | BVS12ATEX041U | |
| Heating cable PTFE-insulated | Type examination certificate | Heat conductor connector |
| Pentair (Raychem) XPI / XPI-S | PTB08ATEX1088U | GHT |
| Self-regulating heating band (parallel) | Type examination certificate | Heat conductor connector |
| Raychem (BTV) | PTB09ATEX1115X & Baseefa06ATEX0183X | GHP |

TECHNICAL DATA

| | | |
|--|--|---|
| Cable diameter heat conductor | 3,2 mm to 5,8 mm | |
| Max. power loss per m heating cable: Cast resin fitting (GH) (GHT) (GHP) (GHL) | 22 W/m (at +40°C ambient temperature) 15 W/m (at +40°C ambient temperature) 22 W/m (at +40°C ambient temperature) 80 W/m (at +40°C ambient temperature) | |
| Current type | Direct or alternating voltage | |
| Nominal voltage of the connector | 230 V | |
| Max. admissible nominal current | 16A/ 18A (or rather. 16/ 32A for GHL) | |
| Connection cable | 1,5 mm ² or 2,5 mm ² EVA, PTFE or Silikon | |
| Degree of protection | IP65/ DIN 40 0 50 | |
| Dimensions: GH GHT + GHL + GHP | 85 x 32 mm 100 x 32 mm | |
| Fixing hole | 26 mm | |
| PE connection box (optionally) | 75x80x55 mm (also see point 10) | |
| Temperature at the heat conductor connector GH/ GHT | max. 70°C (applicable at max. permissible power dissipation at the entrance of the heat conductor into the cast resin) | |
| Temperature at the heat conductor GHL | max. 180°C (applicable at max. permissible power dissipation at the entrance of the heat conductor into the cast resin) | |
| Ambient temperature range | -40°C to +40°C /+60°C (respectively. +80°C GHL) for accordingly adjusted heat power | |
| EU type examination certificate | PTZ 16 ATEX 0021X | |
| Type of ignition protection (Gas) | II 2 G Ex eb mb II C T1-T6 | |
| Identification |  0344 |  II 2 G Ex eb mb II C T1-T6 II 2 D Ex mb IIIC T... °C |

TYPE CODE

Ex **1** GH **2** ALAT **3 4 5 6 7**

| | | |
|---|-------|---|
| 1 | S | System certificate (PTZ16ATEX0021X) |
| 2 | - | for mineral insulated heating cable (GH =22W/m) |
| | T | for plastic insulated heating cable |
| | P | for parallel heat conductors self-regulating |
| | L | for mineral insulated heating cable (GHL =80W/m) |
| 3 | - | Standard connection cable 1,5 mm ² 230 V |
| | 400 | Connection cable 2,5 mm ² 400 V |
| 4 | - | Standard version |
| | S | With protective hose stainless ste A2 |
| | M | Excenter connector (sleeve) |
| 5 | - | Standard connection cable (EVA) up to 110°C 1,5 mm ² |
| | P | Connection cable made of PTFE 1,5 mm ² |
| | P 2,5 | Connection cable made of PTFE 2,5 mm ² |
| | S | Connection cable made of silicone 1,5 mm ² |
| | S 2,5 | Connection cable made of silicone 2,5 mm ² |
| 6 | - | Standard |
| | va | Version "stainless steel" |
| 7 | - | Standard length connection cable: 1,2 m |
| | ... | Length in plain text, (available lengths: 0,5 - 5 m) |

Example: System with plastic insulated heating cable, standard protective hose, connection cable made of PTFE, version „stainless steel“, length of connection cable: 1,2 m:

Ex **S** GH **T** ALAT **3 4 5 6 7**



Attention! The casting compound is necessary accessory and must be ordered separately. See the data sheet casting compound for ordering indications..

Complete the type plate at the cable connector

NECESSARY ACCESSORY

| | | | |
|---|------------|-------------------------------|---------|
| 1 | 2855-T125 | Cast resin components A and B | GH/ GHT |
| 2 | 2855-T125L | Cast resin components A and B | GHL |

Scope of delivery 2855-T125

Scope of delivery 2855-T125L



1 can component „A“, 1 can component „B“, 1 wooden spatula

Please take further information from the data sheet cast resin 2855-T125 or 2855-T125L on www.erich-ott.de

Please take further data from the operating manual.
Download on www.erich-ott.de

HEATING CABLE POLYMERIZED (PI) FOR GHT

Please indicate the reference number (resistance) according to the manufacturer. Also the desired length of cable.

| | Manufacturer | Type | Resistance of the heating cable | Length of the cable |
|---|-------------------|-------------|---------------------------------|---------------------|
| 1 | Pentair (Raychem) | XPI / XPI-S | 0,8 - 8000 Ω /KM | xx m |

HEATING CABLE MINERAL INSULATED FOR GH / GHL

| | Manufacturer | Type | Resistance of the heating cable | Length of the cable |
|---|-------------------|----------------|---------------------------------|---------------------|
| 1 | Pentair (Raychem) | HDC / HDF | 7 - 1600 Ω /KM | xx m |
| 2 | Pentair (Raychem) | HSQ | 250 - 10000 Ω /KM | xx m |
| 3 | Pentair (Raychem) | HIQ | 250 - 10000 Ω /KM | xx m |
| 4 | Pentair (Raychem) | HAX | 105 - 36.000 Ω /KM | xx m |
| 5 | Heatchem | H400 (HDF/HDC) | 7 - 1.600 Ω /KM | xx m |
| 6 | Heatchem | H600-A (HIQ) | 250 - 10.000 Ω /KM | xx m |
| 7 | Heatchem | H321-A (HSQ) | 250 - 10.000 Ω /KM | xx m |
| 6 | Thermon | MIS | 160 - 10.000 Ω /KM | xx m |
| 8 | Thermon | MIQ | 160 - 10.000 Ω /KM | xx m |
| 9 | ISOHEAT | MI-FHC | 250 - 10.000 Ω /KM | xx m |

PARALLEL HEAT CONDUCTORS SELF-REGULATING FOR GHP

| | Hersteller | Typ | Heizleistung | Leitungslänge |
|---|------------|-----|-----------------|---------------|
| 1 | Pentair | BTV | 25 W/M bei 10°C | xx m |

TYPE PLATE

| | | | |
|---|---------------------------|-------------------|----|
| 1 | II 2G Ex eb mb IIC T1- T6 | PTZ 16 ATEX 0021X | 5 |
| 2 | II 2D Ex mb IIIC T...°C | | 6 |
| 3 | Nennspannung 230/400V | Heizleiter | 7 |
| 4 | Betriebsspannung V | Fertigungs Nr. | 8 |
| | Nennstrom A | | 9 |
| | | | 10 |

| | | | |
|----|-----------------------------|-----|---|
| 1- | Type of ignition protection | 6- | Supervisory agency |
| 2- | Nominal voltage | 7- | Type designation |
| 3- | Operating voltage | 8- | Inspection body / EU - type examination certificate |
| 4- | Nominal current | 9- | Heat conductor |
| 5- | Ex marking | 10- | Serial number |