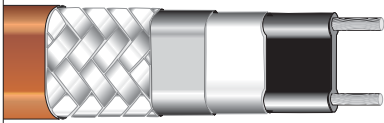
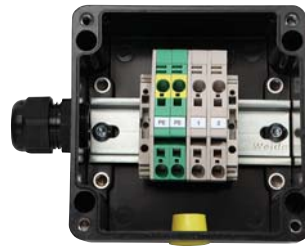




PSB heating cable



Junction box



Installation kit



System overview PSB

Features

- Simple project planning
- BARTEC HELOC calculation and design - Software - Free Download
- Safe, self-limiting, without overheating while overlapping, thermostat not mandatory
- Easy installation, cutting and terminating on-site, random length possible and use of up-to-date connection technology
- Installation also in Ex-area, maximum admissible work-piece temperature of +65 °C (power ON) and +85 °C (power OFF, cumulative 1000 h)
- Certificate for complete system IEC/EN 60079-30-1 and CSA C22.2 No.130-3
- Hard environment conditions, junction boxes made of polyester, stainless steel and aluminium

Description

Typical applications are frost protection, maintaining temperature and heat-up in pipes, tanks, vessels or at surfaces in non-ex areas and in explosive atmospheres for process industry. The BARTEC electric trace heating system type PSB offers the optimum solution for requirements following II2G Ex e II T5, T6 und II2D Ex tD A21 IP 65 T 95 °C, T 80 °C.

The self-limiting heating cable type PSB is available with various nominal power ratings from 10 W/m to 33 W/m at 10 °C (maximum admissible work-piece temperature of +65 °C, power ON and +85 °C power OFF, cumulative 1000 h). The standard outer insulation jacket is made of polyolefin or optionally of a fluorine polymer plastic for special applications which require chemical resistance and mechanical strength. Dependant on the cut-in temperature and respectively the cut-in current and the supplied voltages a maximum heating circuit length about 200 m is possible.



Explosion protection

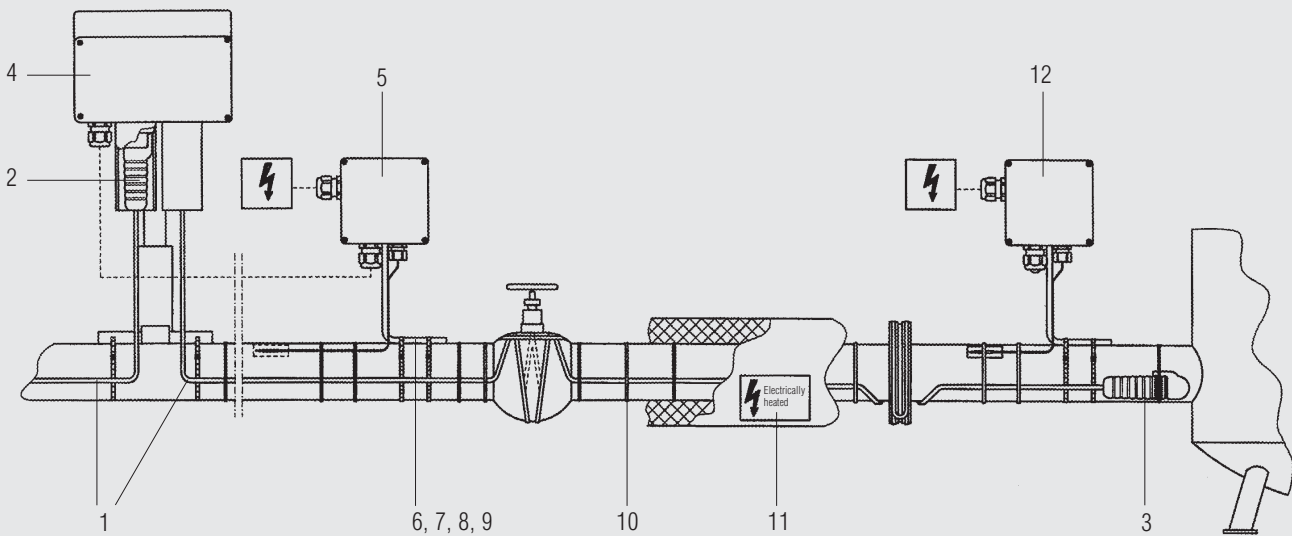
Certification

KEMA 08 ATEX 0111
CSA 1862457
IECEx KEM 09.0084

System overview

- Self-limiting parallel heating cable type PSB (AC 110 to 120 V, AC 208 to 254 V)
- Heat shrink technology or silicone cold applied technology or plug & socket for type PLEXO connection and terminating (ambient temperature -55 °C up to +55 °C, IP 65)
- Junction box made of polyester, stainless steel and aluminium
- Option: mechanical or electronic control systems

PSB heating circuit in an Ex-area, system PLEXO-P (typical example)



- | | | |
|---|-------------------------------------|---|
| 1 Parallel circuit PSB heating cable | 5 BSTW Safety temperature monitor | 9 Buckles for fixing strap |
| 2 PLEXO-P direct plug and socket connection | 6 Mounting bracket | 10 Self adhesive glass fibre fixing tape |
| 3 PLEXO-P remote end termination | 7 Mounting plate | 11 "Electrically Heated" caution label |
| 4 Ex e junction box | 8 Fixing strap for mounting bracket | 12 BSTW thermostat as an extra alarm (optional) |