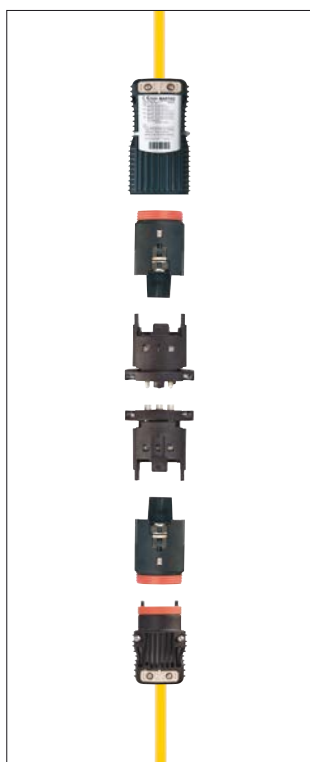




- Quick and easy installation, with standard tools
- Component of the PSBL, PSB, MSB and HSB system approval
- Own system approval with PSBL, PSB, MSB and HSB heating tape

The PLEXO TCS connection system can be used for BARTEC self-limiting heating tapes. The PLEXO TCS may be used both as an autonomous system with the heating tape or as part of the PSBL, PSB, MSB and HSB system. This modular connection technology enables the simple and reliable assembly of supply connections, splicing and remote-end terminations. PLEXO TCS is plugged and built up with a patented sealing and clamping technology. Maintenance work and later modifications on the heating circuit can be performed quickly and flexibly. The strands from the heating tape or the supply cable are fixed in place securely using the spring-loaded terminals in the internal clamping technology.



Explosion protection

| | |
|--|--|
| Marking PLEXO TCS with Heating tape PSBL | Ⓜ II 2G Ex eb IIC T5 Gb Ⓜ II 2D Ex tb IIIC T95 °C Db |
| Heating tape PSB | Ⓜ II 2G Ex eb IIC T5, T6 Gb Ⓜ II 2D Ex tb IIIC T95 °C, T80 °C Db |
| Heating tape MSB | Ⓜ II 2G Ex eb IIC 150 °C (T3), T4 Gb Ⓜ II 2D Ex tb IIIC T150 °C, T130 °C Db |
| Heating tape HSB | Ⓜ II 2G Ex eb IIC 180 °C (T3), T4 Gb Ⓜ II 2D Ex tb IIIC T180 °C, T130 °C Db |
| Certification PLEXO TCS with heating tapes | BVS 13 ATEX E 040 X IECEx BVS 13.0048X TC RU C-DE.ГБ06.B.00230 |

Please refer to the system chapter for the respective system approval.

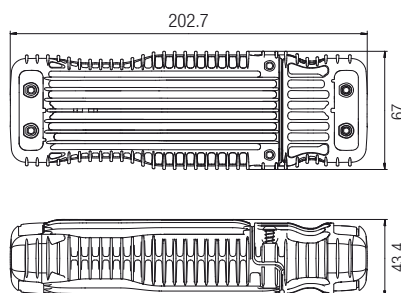
Other approvals and certificates, see www.bartec.de

Technical data

| | | |
|-------------------------------------|--|-------------|
| Rated voltage | max. 254 V | |
| Rated current | PSBL | max. 16 A |
| | PSB/MSB/HSB | max. 32 A |
| Protection class | EN 60079-0 | IP 65 |
| | EN 60529 | IP 66/IP 68 |
| Operating temperature range | Ex application -60 °C to +160 °C Non Ex application -60 °C to +160 °C | |
| Rated cross-section of supply cable | max. 4 mm ² | |
| Min. installation temperature | -55 °C | |
| Sealing range supply cable | see ordering information | |

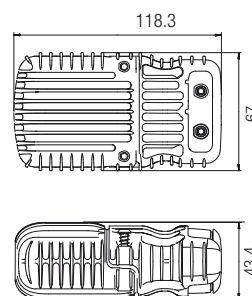
Dimensions (in mm)

Type 27-59P1-*0100000 and 27-59P2-01100000



Dimensions (in mm)

Type 27-59P3-00100000



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Ordering information

Heating tape connection to supply cable with sealing range

| | |
|-----------------------|---------------------|
| $9 < D_A \leq 10$ mm | 27-59P1-1010 |
| $10 < D_A \leq 12$ mm | 27-59P1-2010 |
| $12 < D_A \leq 14$ mm | 27-59P1-3010 |
| $14 < D_A \leq 16$ mm | 27-59P1-4010 |

Heating tape splice with sealing range for PSBL, PSB, MSB and HSB **27-59P2-0110**

Heating tape remote-end termination with sealing range for PSBL, PSB, MSB and HSB **27-59P3-0010**

Connection cable

Heat-resistant connection cable with silicone outer sheath (H05SS-F quality, EWKF outer sheath, -50 °C to +180 °C)

Cross-section $3 \times 2.5 \text{ mm}^2$ $D_A = 9.8$ mm **02-4034-0027**

Mounting bracket **05-0105-0385**

Using the optional mounting bracket and spacer, the PLEXO TCS can be installed outside insulation up to an insulation thickness of 70 mm.

Corresponding installation accessories can be found in the chapter on "Installation accessories for PSBL/PSB/MSB/HSB/HTSB/EKL/EMK"

Technical data subject to change without notice.