

Plexo connector system

Ex-connection system for PSB and HSB heating tapes

Plexo is the first pluggable connector system for heating tapes in explosion-hazard zones.

Application with HBR-PSB/HSB self-delimiting parallel heating tapes (page 50).

The connection is made up of a plug and a socket section, and for heating tapes and connecting cord strands is by means of spring terminals. Their spring strength creates the pressure for contacting the protective sheath, so no laborious splicing and twisting is necessary. A clever sealing system offers secure protection against extreme environmental influences.

The system's flexibility permits direct connection of heating tapes with the connecting cord or connection to an explosion-proof terminal box. Special couplers are available to connect 2 identical heating tapes.



Plexo with PSB heating tape	
Operating temperature:	max. 65°C
Marking:	Ex II 2G EEx e II T 6 / T 5
Test certificate:	KEMA 00 ATEX 2017
Ambient temp.:	minimum -30°C (heating on) maximum +65°C (heating on)
Max. short-time temp.:	+85°C (heating off)
Connecting voltage:	254 V AC
Overcurrent protection:	Characteristic C, max. 20 A
Connection (cross-section):	up to 4.0 mm ²
Housing material:	High-temperature thermoplastic
Seal material:	EPDM elastomer
Protective system:	IP 66 / IP 68 (EN 60529)
Standards:	EN 50014; 50019, EG EMV 89/336/EWG EG Low- 73/23/EWG, Ex 94/9/EG
Laying temperature:	minimum -30°C

Plexo with HSB heating tape	
Operating temperature:	max. 120 °C
Marking:	Ex II 2G EEx e II T 3
Test certificate:	KEMA 00 ATEX 2018
Ambient temp.:	minimum -30°C (heating on) maximum +120°C (heating on)
Max. short-time temp.:	+180°C (heating off)
Connecting voltage:	254 VAC
Overcurrent protection:	Characteristic C, max. 20 A
Connection (cross-section):	up to 4.0 mm ²
Housing material:	High-temperature thermoplastic
Seal material:	Silicone elastomer
Protective system:	IP 66 / IP 68 (EN 60529)
Standards:	as PSB

Silicone connection pipe	
3 x 1,5 SIHI	1,5
3 x 2,5 SIHI	2,5

- Contact the protective braiding with a handle
- A system for various heating cables
- Simple changeover to other tracer heating systems is possible
- Direct connection for armoured cables

