Weidmüller Heat Trace Connector for the process and oil industry

NEW

Weidmüller presents the new and innovative Heat Trace Connector for use in the process industry, and applications within the harsh outdoor environments in the oil industry. Our Heat Trace Connector is designed to connect heat trace MI cables securely, reliably and efficiently.

Product advantages are:

- Coaxial connector design with 360 degree coil spring interconnects approved for MIL spec applications
- Redundant sealing system providing IP67 protection class
- Vibration and corrosion proof clamping yoke elements as found in standard Weidmuller connectivity products
- Integrated grounding system
- Corrosion and impact resistant single piece housing
- Standard tooling installation and operation: flat blade screwdriver only, no crimp tool required
- CSA Class1 Division2/Zone2 approval, T6 temperature code, -50C to +60C

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Weidmüller

Heat Trace Connector

The Weidmüller Heat Trace Connector is designed to provide a maximum level of customer value:

- Designed to be used in a wide range of ambient temperatures from –50 °C to +60 °C
- The T6 temperature code allows for diverse fields of application
- Available with two-poles, 14–8 AWG, rated at 35 A, 600 V AC, plus integrated PE (ground)
- Lightweight yet robust, the connector housing is made of aluminum alloy with protective tin-plating
- Conforms to IP67 and type 6 requirements (connected as well as disconnected with cover)
- simple flat blade screwdriver release of latches
- Coaxial design allows for 360 degrees of mating flexibility (no complicated alignment or rotational movement is required during installation)
- Draw-latch on the connector exterior guarantees a secure fit as well as superior holding power
- The simple and reliable installation provides significant time and cost savings
- comes with or without a 3/4" to 1/2" NPT Reducer

Male HT – Connector	Order No.
HDC HTC M 3/4”	**1023890000**
HDC HTC M 3/4” C/W 3/4” TO 1/2” ADAPTER	**1023890050**

Female HT – Connector	Order No.
HDC HTC F 3/4”	**1023880000**
HDC HTC F 3/4” C/W 3/4” TO 1/2” ADAPTER	**1023880050**

Technical Data

Electrical Rated Data	
Contacts	2-pole (L1, L2) + PE (ground)
Ratings	35 ampere, 600 V AC, 50 Hz / 60 Hz
Wire	
Harmonized	2,5 mm² – 10 mm²
AWG	8 – 14 AWG
Torque	1.2 Nm (for the screw clamps and securing screws)
Other Characteristics	
Clamping Body	Aluminium Tin-Plated
Contacts	Brass silver-plated
Inserts	Polyamide (UL94-V0)
Gasket	FVMQ
End Cap Threads	3/4" NPT-F (female thread)
Torque	90.4Nm maximum (for the 3/4” NPT end)
Number of Mating Cycles	25 typical
Environmental Conditions	
Enclosure Ratings	Type 6, IP67
Approvals	
CSA	**Class I, Division 2,** Groups A,B,C,D, T6, Tamb –50 °C to +60 °C, Type 6
	Class 1, Zone 2; Ex nA, IIC, T6, Tamb –50 °C to +60 °C, IP67
GOST / VDE / UL in preparation	

Accessories	Description	Material Properties	Order No.
ADAP EX 3/4NPT-1/2NPT C1D2	3/4” to 1/2” reducer	Copper-free aluminum	**7940034662**
HDC HTC Mounting	Mounting frame	Stainless Steel	**1049370000**
VG NPT 3/4” Eex-eMS	Ex cable gland IP68 - 5 bar	Brass, nickel plated	**1778150000**
Screwdriver non-insulated (not shown)	SD 0.8x4.0x100		**9008340000**
Screwdriver insulated (not shown)	SDI 0.8x4.0x100		**9008400000**