

# Type AX/EX Series Lighted End of Circuit Termination Kits

<b>UL:</b> Class I, Division 2, Groups A, B, C, D Class II, Division 2, Groups F, G Class III, Division 1 and 2	<b>CSA:</b> Class I, Division 2, Groups B, C, D Class II, Groups E, F, G (Canada Only) Class III (Canada Only) Enclosure Type 4X, Temperature Code T6 – T3 Class I, Zone 1; Ex e II; T6 – T3 ①	<b>FM:</b> Class I, Division 2, Groups B, C, D Class II, Groups E, F, G Class III Enclosure Type 4X, IP66, Temperature Code T① Class I Zone 1; AEx e IIC T -40°C ≤ Tamb ≤ 55°C	<b>ATEX/IECEX:</b> ATEX 07ATEX0124, IECEx KEM 07.0041 Ex eb mb IIC T6 – T3 Gb Ex tb IIIC T80 °C T195 °C Db -40°C ≤ Tamb ≤ 55°C IP66
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## Applications

- The HEL100 Lighted End of Circuit Termination Kit is designed for terminating one heater cable with a non-directional lens assembly and long life LED output
- Kits are used to connect and terminate Nelson self-regulating heater cable series LT-J, LT-JT, HLT-J, XLT-J and CLT-JT ②

## Features

- Global-reach industrial-grade universal connection kits for Hazardous Locations
- Certified for NEC/CEC (AX Series) and IEC (EX Series) installations
- Incorporate rugged, non-metallic construction rated for IP66 / NEMA 4X
- Designed with corrosion resistant, anti-static enclosures and components
- Fit all wattages of Nelson LT-J, LT-JT, HLT-J, XLT-J and CLT-JT series self-regulating heater cables
- Minimum Installation Temperature: -40°C (-40°F)
- Temperature Use Range: -40°C to +55°C (-40°F to +131°F) ambient
- Conductor Size: 1 mm<sup>2</sup> (18 AWG) to 6 mm<sup>2</sup> (8 AWG)
- Voltage Range: 300 Vac Maximum
- Ingress Protection: NEMA 4X, IP66
- Max Amperage: 14A CLT Series, 18A LT, HLT Series, 25A XLT Series
- Enclosure Material: Glass reinforced, carbon-loaded, polyester, UV resistant, polymer
- Weight: 0.4 kg (0.8 lb)

## Accessories

- Pipe clamp to secure standoff to pipe (one is included in each kit):
  - PC03 – 80 mm (3 in) and smaller pipe
  - PC12 – 80 mm (3 in) to 12 inch (300 mm) pipe
  - PC20 – 300 mm (12 in) to 20 inch (500 mm) pipe
- Small pipe adapter: HC-SPA – 25 mm (1.0 in) and smaller pipe



## Ordering Information

- One kit should be ordered for each type of connection needed
- A pipe clamp of the appropriate size for the pipe must be selected (-3 for PC03, -12 for PC12, -20 for PC20) for each connection kit
- A small pipe adapter kit must be ordered for each kit for installation on 25mm (1") or smaller pipe

## Certifications and Compliances

- UL Standard: 50 Ed. 12
- UL Listed: E53501, E49805
- CSA Standard: C22.2 No. 130-16, C22.2 No. 94-R2011, C22.2 No. 213-16
- CSA Certified: LR42103, LR42104
- FM Standard: 3600:2011, 3611:2004, 3616:2011
- FM Approved: 3047182
- Other Standards: IEEE 515-2011, IEEE 515.1-2012, IEC/IEEE 60079-30-1:2015, IEC 60529:2004, 60079-0:2011, 60079-7:2006, 60079-31:2013, ANSI/ISA 12.12.01-2015

## Selection Table

Kit Contents	HEL100
Lighted End Cap	1
Standoff	1
Silicone Power Termination Fitting	1
Silicone Adhesive	1
Cable Grommet	1
Locknut	1
Cable Tie	1

① For temperature code, see heating cable or design information

② Ordinary (Unclassified) Location Only