



7.5mm Mini HVL Connector System

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7.5mm Mini HVL Connector System

Product Description

- **Description**

- The 7.5mm mini HVL connector system is a 2 position appliance wiring system, developed for the lighting industry (IEC 60320)
- It includes the coupling (plug&outlet), a 6-way distributor with optional switch function as well as an PCB alternative + several accessories and ready cable assemblies



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Product Applications

- **Applications**

- Lighting wiring in kitchen and bathroom furniture
- Lighting wiring for household
- Power connection & coupling between lamps
- Mountable lighting (like fluorescent tubes and energy saving lamps)
- Vending refrigerating systems: sealed coupling version
- Others including lighting wiring for offices and retail lighting

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Features/Benefits

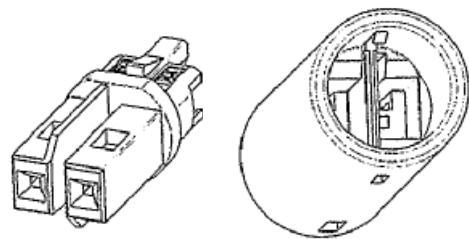
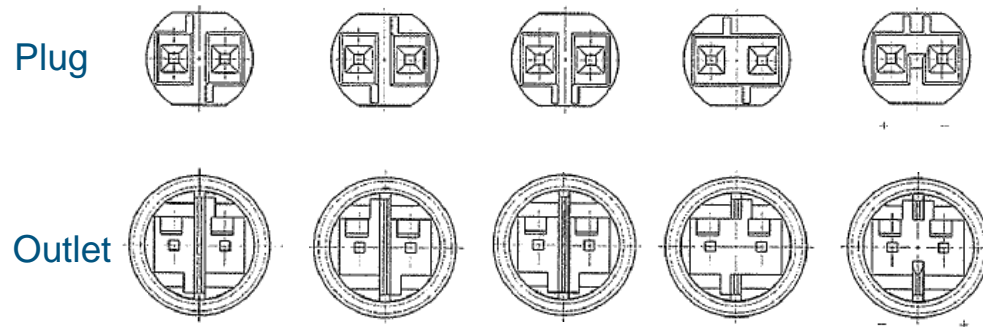
- **Features**

- 7.5 mm outer diameter of plug assy. to fit into 8 mm furniture holes
- Available in: 250 VAC, 125 VAC and 42 VAC & VDC
- Ring clip to meet pull test IEC 60320
- Coupling designed under IEC 60320
- Sealing options
- Splitter to easy tap
- 6 way distributor with pre-assembled IDC contacts and with optional switch input specifically coded for external switching
- Panel mount outlet
- PCB headers bus bar and chassis mount options

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Keying Overview

- Keying options: HV-1 HV-2 HV-3 LV-1 LV-2

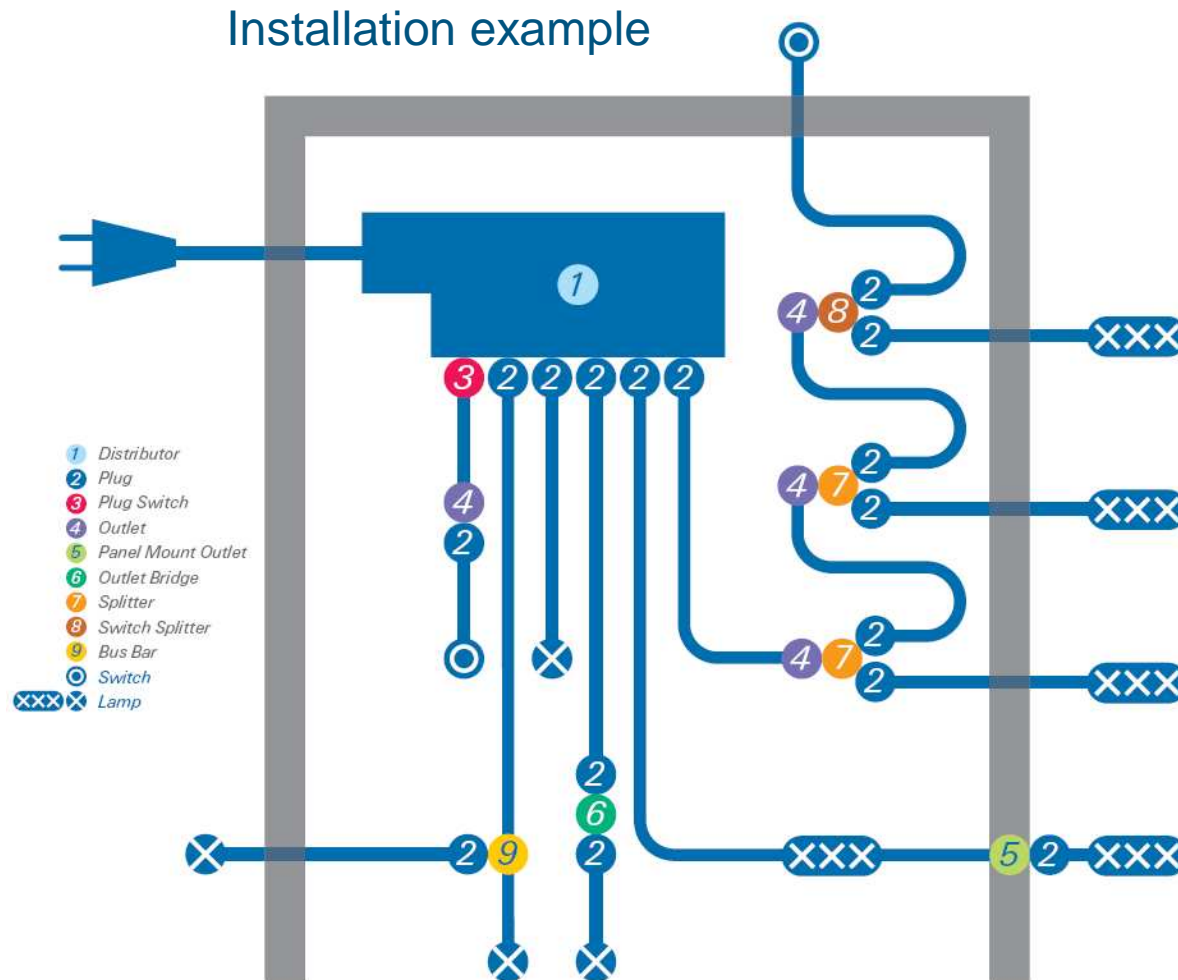


HV-1 Shown

	HV-1	HV-2	HV-3	LV-1	LV-2
V (ac)	250 V	Switch	125 V	42 V	
V (dc)		Switch			42 V
Current	2.5 A	Max. 7 A	6 A	7 A	7 A
Colour coding	White / Black	Red	Blue	Light grey	Yellow

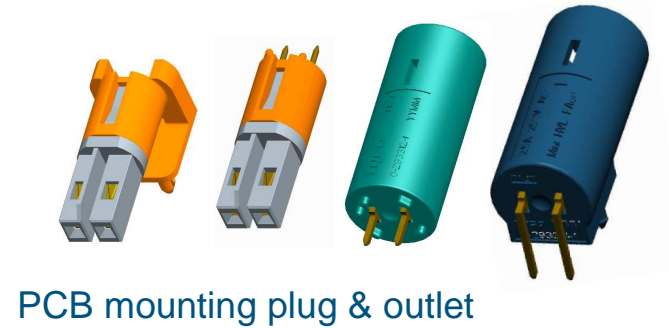
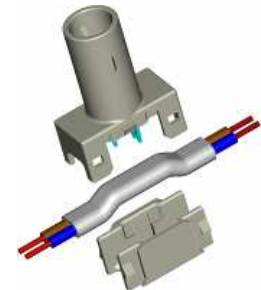
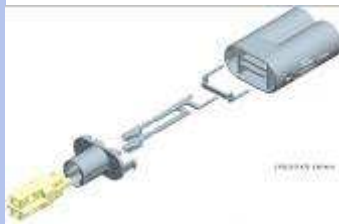
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Wiring example



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Accessories



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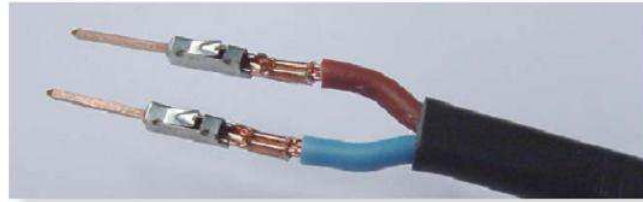
Performance Data

Electrical & Mechanical parameters:

- Electrical
 - Rated at 2.5 A 250 VAC (per IEC 60320), 6 A 125 VAC, and 7A 42 VAC & VDC, with H03VVH2-F 2x0,75 mm² wires
 - Protection class II
- Mechanical
 - MQS contacts to enhance reliability
 - Wire termination:
 - Crimp in plug and outlet contacts
 - IDC termination for distributor contacts
 - Operating temperature: to +85°C (depending on cable used)
 - Durability: 300 cycles

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Application Tooling



Hand Tool for two crimps in one cycle
Hand Tool, complete PN 2-1579004-2



Hand Tool
for two crimps in one cycle
interchangeable crimp heads

Handle PN 2-1579005-1
Head PN 3-1579021-8



AMP 3K/40 Terminator
PN 1725950-6

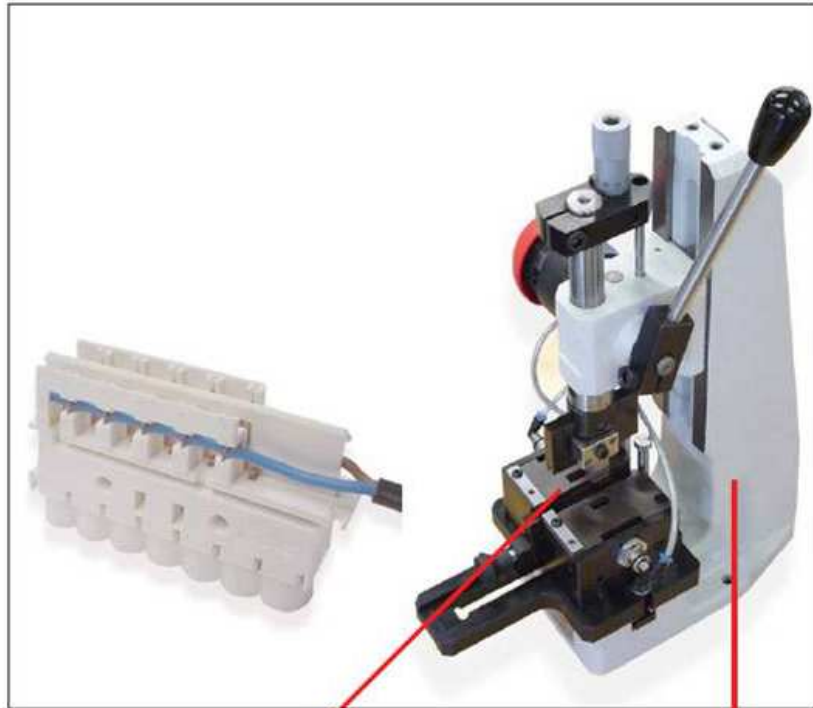
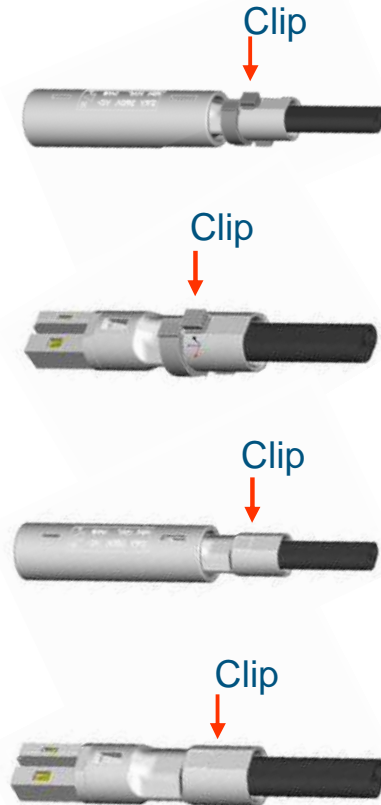
Applicator
for two crimps in one cycle
PN 9-541803-2

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Application Tooling



Hand Tool
applicable to clips
PN 3-1579002-1



IDC Tool
PN 6-528441-3

IDC Bench Press
PN 578016-5

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Standards & Specifications

- Standards & Specifications;
 - IEC 60320
 - Product Specification: 108-94018
 - Connector Application Specification: 114-18751
 - Distributor Application Specification: 114-20139

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