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Datasheet for 76650-0033

General Information

Part Number:	76650-0033
Manufacturer:	Molex / Waldom
Title:	Perma-Seal All Weather Solderless Terminal Kit
Description:	Sealed Spade and Heat Shrink Tubing with Universal Crimp Tool
Product Family:	Perma-Seal™ and Perma-Fit™
Certificates:	(Molex Parts within this kit) - EU RoHS Compliant, UL
Country of Origin:	Kit assembled in U.S.A.

Specifications

Design Configuration:	Wire-to-Board / Solderless Terminals
(Stud) Size:	# 6, # 8 and # 10
Terminal Insulation:	NiAc™ (Perma-Seal™)
Wire size:	(22-18), (16-14) and (12-10) AWG
(Tubing) Size (in):	3/16 and 1/4
Material Type:	Polyolefin

Product Highlights

Perma-Seal terminals provide a rugged, environmentally sealed connection that will insulate, seal and protect joints from physical abuse and abrasion, water, salt and other corrosive compounds. The NiAc insulation material shrinks up to 40% faster than comparable nylon products.

Perma-Fit heat shrink tubing is high quality with a wide variety of uses. Thin-wall tubing made of polyolefin has excellent physical, chemical and electrical properties that meet both industrial and military requirements for general purpose tubing. Heat shrink tubing from Molex is ideal for protecting, identifying and insulating electrical components and cables or wires.

Features and Benefits	Applications
• NiAc insulation (Perma-Seal) material shrinks up to 40% faster • Polyolefin material is flame retardant and has excellent physical, chemical and electrical properties • Meets industrial and military requirements for highly reliable, general purpose tubing • Inner seal repels moisture incursion, even during pressure cycling	• MRO (Maintenance Repair and Operations) • General and Electrical Contractors • Appliance Industry • Non-Automotive Transportation Industry • Construction and Mining • Automotive (General), Marine • Energy and Power • Environmental Equipment and Controls • Transportation Equipment

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Bill of Materials for Part No. 76650-0033

Molex Part No.	Country of Origin	Description	Quantity in Kit
19164-0006	USA	#6 Perma-Seal Solderless Spade Terminal, 22-18 AWG	10
19164-0007	USA	#8 Perma-Seal Solderless Spade Terminal, 22-18 AWG	10
19164-0008	USA	#10 Perma-Seal Solderless Spade Terminal, 22-18 AWG	10
19164-0028	USA	#6 Perma-Seal Solderless Spade Terminal, 16-14 AWG	10
19164-0029	USA	#8 Perma-Seal Solderless Spade Terminal, 16-14 AWG	10
19164-0030	USA	#10 Perma-Seal Solderless Spade Terminal, 16-14 AWG	10
19164-0069	USA	#6 Perma-Seal Solderless Spade Terminal, 12-10 AWG	10
19164-0070	USA	#8 Perma-Seal Solderless Spade Terminal, 12-10 AWG	10
19164-0072	USA	#10 Perma-Seal Solderless Spade Terminal, 12-10 AWG	5
19164-0073	USA	1/4" Perma-Seal Solderless Spade Terminal, 12-10 AWG	5
19267-0143-E	Canada	Single Wall Heat Shrink Tubing, 3/16" Dia., Red, 2:1 Ratio	2
19267-0171-E	Canada	Single Wall Heat Shrink Tubing, 1/4" Dia., Black, 2:1 Ratio	2
CT-4071-1R^	Taiwan	Universal Hand Crimping Tool, Bolt Cutter, Wire Stripper	1

^ =Tool Provided by Waldom

Recommended Molex Tool(s) for Part No. 76650-0033*

Molex Part No.	Country of Origin	Description
64001-7400 *	Germany	Hand Crimp Tool, UL Approved

*Tool(s) not included in kit. Tool(s) ordered separately.

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