

Five-Pole Quick-Flex Soft Wiring System

Introduction

The quick-flex system is a modular five-pole soft wiring system suitable for DALI lighting control networks. The system is an alternative to traditional hardwiring and uses interchangeable modular components to create a simple “plug ‘n’ play” system that can be easily altered or extended.

As well as providing greater flexibility, the quick-flex system reduces cabling costs and makes installation of DALI lighting control systems simple.

Nearly every new office today incorporates some level of intelligent lighting control, comprising anything from light level sensors, movement sensors, zoned lighting, scene setting and time clocks.

To address these requirements lighting manufacturers have agreed on standardising lighting protocols. One of the most internationally recognised lighting protocols by manufacturers and authorities is the Digital Addressable Lighting Interface (DALI) lighting control protocol IEC 62386.

A Moduline M3 Five-Pole Soft Wiring System for DALI offers a quick and efficient method of connectivity and installation of light fittings. In the past, installers would normally install these light fittings with normal fixed three-core double insulated TPS cable for power, plus another twin-core low

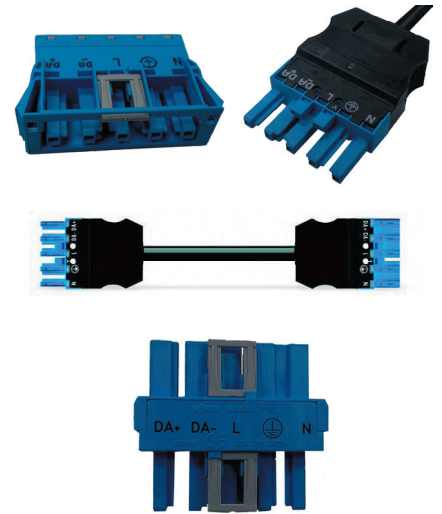
voltage cable for interface control. Our five-pole system provides for all of these requirements in one convenient five-core cable; providing power and control. We also provide our connectors to leading lighting manufacturers, enabling this system to be widely available.

The end result is an eco friendly DALI lighting system that has the inbuilt flexibility of our soft wiring system. A flexible and economical solution to suit the end user's needs.

The quick-flex system consists of the following components:

- Five-pole starter socket (20A) - used to interface between hardwiring and soft-wiring system.
- Five-pole interconnecting leads, complete with five-pole plug and socket.
- Five-pole t-piece - one in, two out connector.
- Five-pole flex and plug - provides power to a light fitting or exit sign. Note: Fittings can be ordered with this lead already fitted.

The quick-flex system is manufactured to AS/NZ61535.1:2003 meeting IP4X requirements. The cable complies to AS/NZS5000.2:1999.



Advantages of a DALI system for lighting manufacturers:

- Only one connector or flex and plug to fit to each luminaire.
- Low installation cost - saves time in the manufacturing process.

Advantages of a DALI system for installers:

- One socket solution for installation.
- Simple and easy to install.
- Unique key-way sockets indicating DALI circuits.
- Easy disconnection and reconnection of luminaires for relocation and maintenance.
- Easy installation of luminaires, emergency fittings and exit signs on one system.

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