BrightConnX™ FLT Series SMD Terminal Block

FLT TERMINAL BLOCKS PROVIDE DISCRETE WIRE CONNECTION TO A PCB

Amphenol's BrightConnX™ FLT Terminal Block is a surface mount device for discrete wire connection to a PCB for LED Modules and other applications.

- Provides simple and secure poke-in wire connection for easy termination
- Surface mount termination for pick and place
- Suitable for a range of wire gauges from 18AWG–24AWG
- Can be used with solid or stranded wires (with tinned end)
- Wide operating temperature range: –40°C to +105°C

TARGET MARKETS

FEATURES	BENEFITS
Available in 1, 2 & 3 Poles	Provides application flexibility and space savings for multiple positions
Accepts 18AWG–24AWG wire	Suitable for up to 7A per wire
Poke-in wire termination	Easy installation and reliable connection
Port to release wire	Easy wire removal for rework or changes
SMT terminations	Easy pick and place assembly
LCP housings	Rugged, high temperature capability

BrightConnX™ FLT Series SMD Terminal Block

TECHNICAL INFORMATION

MATERIAL

▪ Housing: Liquid Crystal Polymer, White Color

▪ Contacts: Copper Alloy, plated with Tin

MECHANICAL PERFORMANCE

▪ Ingress Protection:

▪ IP20 Wire Size:

  ▪ A. Solid Conductor: 18AWG

  ▪ B. Stranded Conductor: 24AWG–20AWG Solid & Stranded with tinned end

  ▪ Wire cross section: Ø1.10mm max.

▪ Mechanical Shock: As per EIA–364–27, Condition A

▪ Vibration: As per EIA–364–28, Condition VII, Letter D

ELECTRICAL PERFORMANCE

▪ Voltage Rating: 250V

▪ Current Rating: 7A (18AWG), 5A (20AWG), 3A (22AWG), 2A (24AWG),

▪ Dielectric Withstanding Voltage: 1500VAC for 1 minute

▪ Insulation Resistance: 500MΩ min @ 500VDC test voltage

PACKAGING

▪ Reels

SPECIFICATION

▪ Amphenol Product Specification: S6222C

▪ RoHS and REACH compliant

ENVIRONMENTAL

▪ Operating Temperature Range: –40˚C to +105˚C

APPROVALS AND CERTIFICATIONS

▪ UL 1977 (Pending)

TARGET MARKETS/APPLICATIONS

LED Lighting

PART NUMBERS

Description	Part Numbers
FLT Series SMD Terminal Blocks – 1 POLE	FLT–S12WR–00
FLT Series SMD Terminal Blocks – 2 POLE	FLT–S22WR–00
FLT Series SMD Terminal Blocks – 3 POLE	FLT–322WR–00