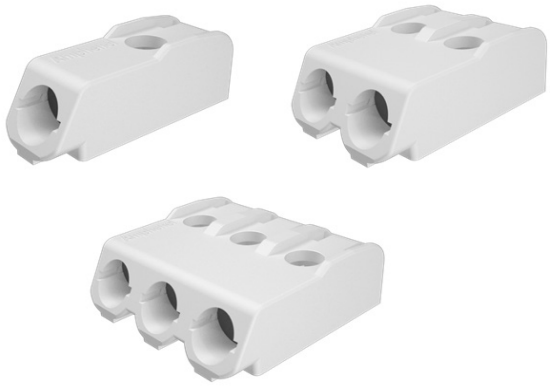
BrightConnX™ FLT Series SMD Terminal Block

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

- Available in 1, 2 & 3 Poles
- Accepts 18AWG–24AWG wire
- Poke-in wire termination
- Port to release wire
- SMT terminations
- LCP housings

BENEFITS

- Provides application flexibility and space savings for multiple positions
- Suitable for up to 7A per wire
- Easy installation and reliable connection
- Easy wire removal for rework or changes
- Easy pick and place assembly
- Rugged, high temperature capability

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–S32WR–00

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Disclaimer
Please note that the above information is subject to change without notice.