

# EPC SERIES POWER DISTRIBUTION

## Connectorized Power Distribution Module



\*Fuses and Relays Not Included

### Specifications

<b>Max Load:</b>	160A
<b>Working Voltage:</b>	12/24V DC
<b>Fuse Capacity:</b>	Tailor to application - Up to 27 MINI Style Fuses
<b>Fuse Rating Range:</b>	5 to 30 A
<b>Relay Capacity:</b>	Tailor to application - Up to 3 Form C 280 and 6 Form A 280 Relays
<b>Operating Temp:</b>	-40° C to 85° C
<b>Ingress Protection:</b>	IP67 / IP69K
<b>Mounting Bolt Torque:</b>	6 - 8 Nm
<b>Wire Sizes:</b>	0.5 mm <sup>2</sup> – 2.5 mm <sup>2</sup>
<b>Box Dimensions:</b>	179x155x69 mm
<b>Accessories:</b>	Fuse puller, spare fuses, tether
<b>Mating Terminals and Seals:</b>	TYCO MCP 2.8mm & 1.5MM

Connector	Location
TYCO 1-1670901-1	J1
TYCO 2-1670901-1	J2
TYCO 3-1563759-1	J3
TYCO 1-1563759-1	J4

### Description

The standard EPC is an internally bussed, connectorized, sealed power distribution module, suitable for mounting in rugged commercial vehicle applications. The EPC is a product that has dense concentration of high power circuits and accepts plug devices like automotive fuses, diodes and relays to protect and control complex electrical systems. An internally mounted Printed Circuit Board (PCB) allows bussed connections to a large number of devices.

The EPC can be built specific to your design requirements and is a special order product. Please talk to your local representative for additional details

### Features and Benefits

- Electrical connectors support surface mount applications. Connectors configurable with various power I/O supported
- Sealed rugged enclosure protects internal circuitry from harsh environments such as high shock, vibration, as well as moisture and contaminants. Sealed to IP67
- Included tether connects cover to base preventing misplacement
- Lid includes 5 spare fuse locations

### Applications

- Main electric system distribution and protection
- Can hold a compacity of 27 mini style fuses
- Uses 3 Form C 280 series relays and 6 Form A 280 series relays
- 2 separate power input buses
- All relays share common ground circuit

### Recommended Fuses



#### MINI Style Fuses

### Recommended Relays



**3 Form C 280 Series (SPDT)**  
Recommended Song Chuan or equivalent 301-1C series relays

**6 Form A 280 Series (SPNO)**  
Recommended Song Chuan or equivalent 301-1A series relays

### Ordering Information

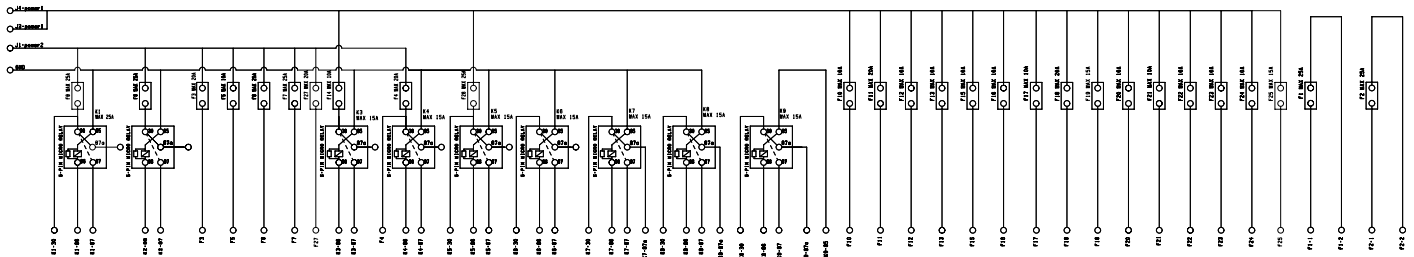
PART NUMBER	DESCRIPTION
FLFX0006Z-01	Connectorized Power Distribution Module with IP67/IP69K

### Web Resources

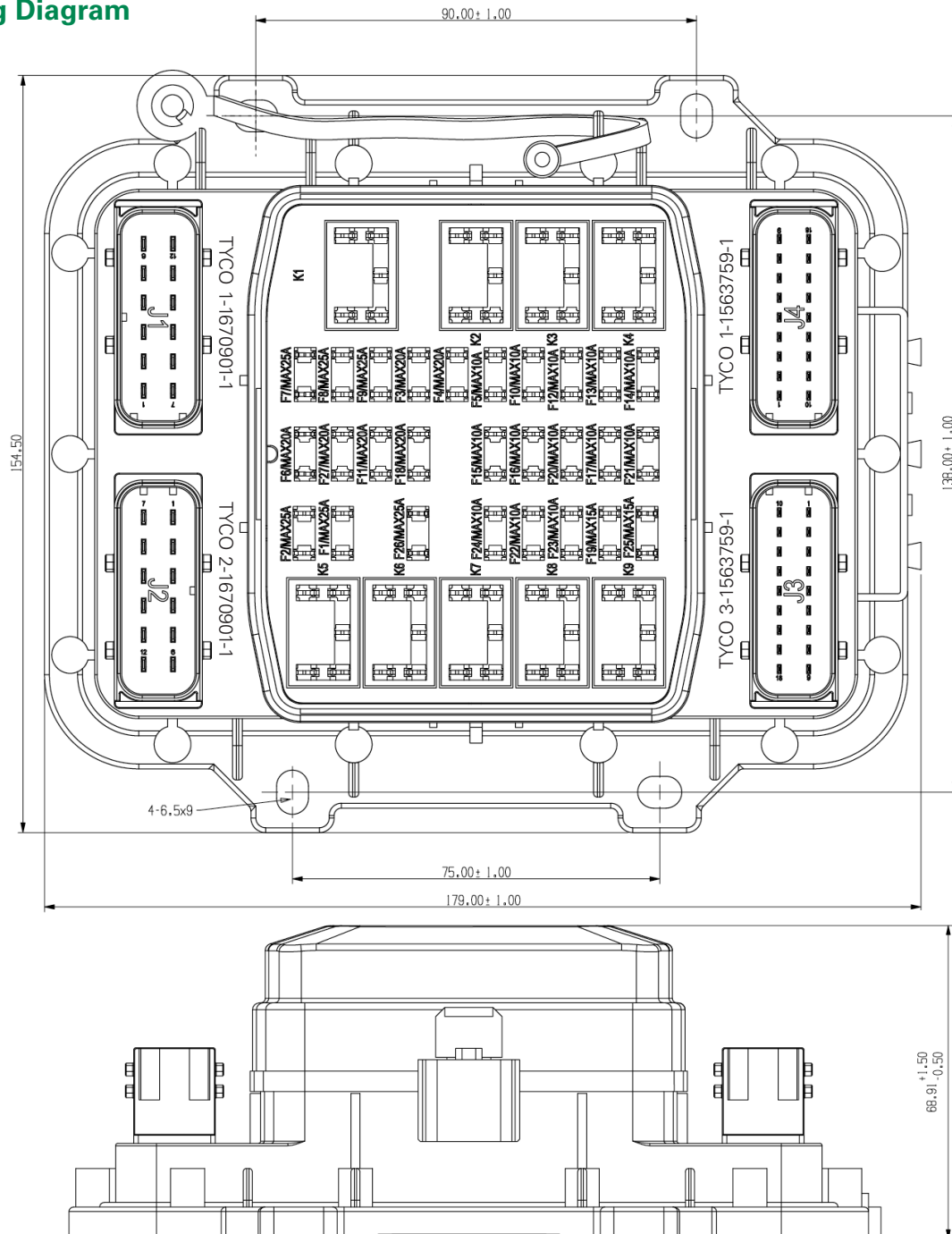
Download technical resources at:  
[littelfuse.com/epc](http://littelfuse.com/epc)

# EPC SERIES POWER DISTRIBUTION

## Electrical Diagram



## Mounting Diagram



# Mouser Electronics

Authorized Distributor

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