

# EPC SERIES POWER DISTRIBUTION

## Connectorized Power Distribution Module



\*Fuses and Relays Not Included

### Description

The market EPC is an internally bussed, connectorized, sealed power distribution module, suitable for mounting in rugged commercial vehicle applications. The market 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.

### 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 capacity 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

### Specifications

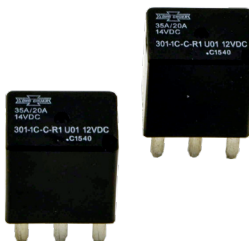
<b>Max Load:</b>	200A
<b>Working Voltage:</b>	12/24V DC
<b>Fuse Capacity:</b>	Tailor to application - Up to 27 MINI Style Fuses
<b>Fuse Rating Range:</b>	5 to 30 A
<b>Relay Capacity:</b>	Tailor to application - Up to 3 Form C 280 and 6 Form A 280 Relays
<b>Operating Temp:</b>	-40° C to 85° C
<b>Ingress Protection:</b>	IP67 / IP69K
<b>Mounting Bolt Torque:</b>	6 - 8 Nm
<b>Mating Terminals and Seals:</b>	TYCO MCP 2.8mm & 1.5MM
<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

### Recommended Fuses



#### MINI Style Fuses

### Recommended Relays



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

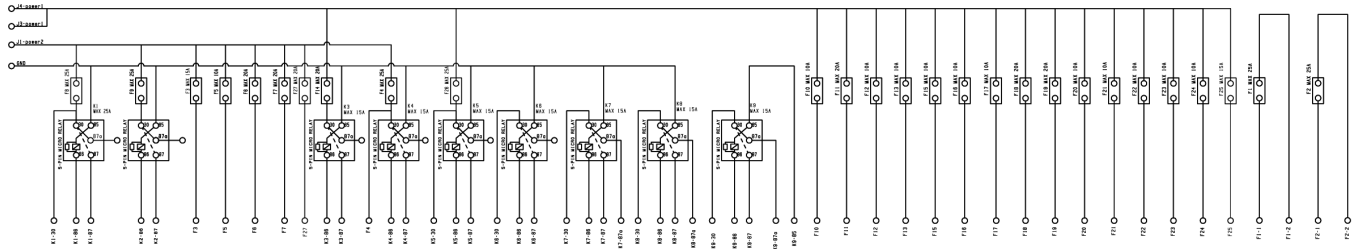
**6 Form A 280 Series (SPNO)**  
Recommended Song Chuan or equivalent 301-1A series relays

### Web Resources

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

PART NUMBER	DESCRIPTION
LFLX0006Z-01	Connectorized Power Distribution Module with IP67/IP69K

Electrical Diagram



Mounting Diagram

