

# SERIES 37700 PRM/PFM



## Power Relay Module Power Distribution Module & Fuse Block

Cooper Bussmann offers a **sealed** Power Relay Module (PRM) along with an accompanying Power Fuse Module (PFM). These compact power distribution modules are designed for high current applications, and are suitable for placement in extreme moisture and high vibration environments. The PRM contains a 70A relay and two female fuse positions. One of these fuses protects the relay and the other is a single-circuit inline fuse. The PFM contains only two fuses - each a separate circuit. A silicone seal and removable cover offer a weather-tight enclosure for the fuse positions. PRMs/PFMs also feature rugged M8 power input studs. Multiple units may be connected together via a custom buss bar, or can be bussed to any of Cooper Bussmann's PDMs (i.e. 31000/32000 Series VEC/DVEC, 15300 Series RTMR, etc.)



### SPECIFICATIONS

**PRM Rating:** 70A, 12VDC steady-state relay; 24VDC relay also available. Relay protection fuse: up to 60A; Non-switched inline fuse: up to 60A.

**PFM Rating:** Each inline fuse rated up to 60A.

**Temperature Rating:** -40°F (-40°C) to 185°F (85°C).

**Materials:** UL-Rated 94V-0 thermoplastic (excluding cover); Silicone seal; Tin-plated copper terminals; Plated steel studs.

**Input Termination:** M8 threaded stud. PRM Switching/Trigger Signal: Delphi Packard Metri-Pack® 150 Series; AMPSEAL® 16.\*

**Output Termination Option:** Bussmann Series 32004 sealed connector (see page 4); Accepts Delphi Packard 800 series terminals.\* Two M6 threaded studs.

**Torque Rating:** Input stud: 144in-lb (16.3Nm) max.; Output stud: 48in-lb (5.4Nm) max.

**Mounting Torque Rating:** 48in-lb (5.4Nm) max.

**Ingress Protection Rating:** IP66 (excluding stud connections)

### OPTIONS

**Mounting:** Counter rotation feature (CRF) available to prevent rotation on single bolt installations.

**Bussing:** Custom bussing available for joining multiple PRMs/PFMs. Options also available for bussing PRMs/PFMs to other Bussmann power distribution modules.

**Accessories:** Stud caps, separators, service components. Consult factory for details.

**\*Electrical terminals are NOT supplied by Cooper Bussmann.**

### PART NUMBERING SYSTEM

Series/ Module Type	Output/Signal Connector Type	Signal Key (PRM only)	Output Key	Nonswitched Value	Switched Fuse (Right Side)	Cover Option	Hardware Option
37701	1	N					
PFM							
37702							
12V PRM							
37703							
24V PRM							
*1 - Stud/Delphi		A - Black (Delphi only)	N - Stud output (no key)	0 - None	0 - None	0 - No cover	0 - None
2 - Connector/Delphi		B - Grey (AMP® or Delphi)	A - Black	2 - 20 amps	2 - 20 amps	1 - Cover (bulk)	1 - Nuts (bulk)
3 - Stud/AMP®		C - Green (AMP® only)	B - Grey	3 - 30 amps	3 - 30 amps	2 - Cover (installed)	2 - Nuts (installed)
4 - Connector/AMP®		F - Red (AMP® only)		4 - 40 amps	4 - 40 amps		3 - CRF
		Y - Yellow (AMP® only)		5 - 50 amps	5 - 50 amps		4 - CRF, nuts (bulk)
				6 - 60 amps	6 - 60 amps		5 - CRF, nuts (installed)

\*PFM always uses this option.

# SERIES 37700 PRM/PFM (Dims. shown are for reference only. Consult factory for latest prints)

