

Series 37700 - PFM/PRM

Power fuse modules (PFM)

Power relay modules (PRM)

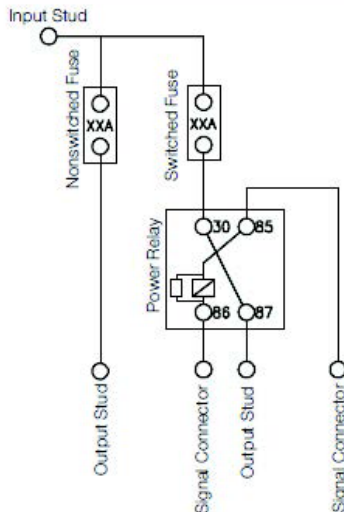
Eaton offers a sealed Power Relay Module (PRM) along with an accompanying Power Fuse Module (PFM). These compact power distribution modules are designed for high current applications and are suitable for placement in high moisture and vibration environments.

The PRM contains a relay and two female Maxi 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 weathertight enclosure (IP66) for the fuse positions.

PRMs/PFMs also feature rugged M8 power input studs with output options that include terminal studs (M6) or sealed (IP66) connector (PRM only). Multiple units may be connected together via a custom buss bar or can be bussed to any of the Eaton PDMs (i.e. the 31000/32000 Series VEC/DVEC, 15300 Series RTMR, etc.).



PRM Wiring



Specifications

- **PRM rating:** 60A, 12VDC steady-state relay; or 25a, 24VDC steady-state relay
- **Relay protection fuse:** Up to 60A for 12V relay & 30A for 24V relay
- **Nonswitched Inline fuse:** Up to 60A (12V or 24V)
- **PFM rating:** each inline fuse rated up to 60A
- **Materials:** UL 94-V0 thermoplastic (excluding cover); silicone seal; tin-plated copper terminals; plated steel studs
- **Input termination:** M8 threaded stud
- **PRM switching/trigger signal connector:** Aptiv Metri-Pack® 150 Series or AMPSEAL® 16 (dependent upon part number configuration)
- **Output termination:** Two M6 threaded studs or Eaton Series 32004 sealed connector (PRM only); accepts Aptiv Packard 800 series terminals.

Torque ratings:

- **Input stud:** 144in-lbs max
- **Output stud:** 48in-lbs max
- **Mounting:** 48in-lbs max

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 Eaton PDMs
- **Accessories:** Buss bar, stud cap

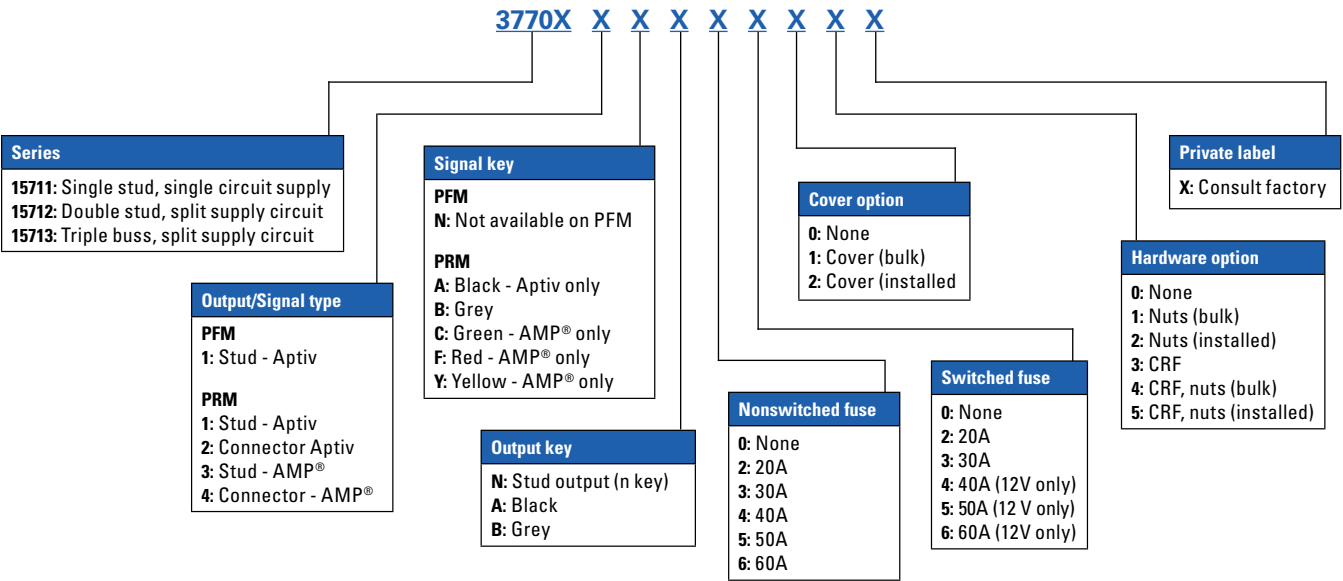
Signal connector part numbers:

- **Aptiv Black** - 12052641; grey - 12052644 (consult Aptiv distribution)
- **AMP:** Red - 776427-1; grey - 776427-2; yellow - 776427-3; green - 776427-4 (consult Tyco distribution)

Standards & certifications

- **Ingress protection rating:** IP66 (excluding stud connections)
- **Compliances:** SAE 31171 (ignition protected)

Ordering information



Dimensions in inches (mm)

37701-1N Series

