

US 11,352,998 B2



Replaces Manual Battery Switches: Reduces battery cable run lengths and resulting voltage drop



Connect to Ignition Signal for simple battery charge management between two batteries or for simple auxiliary load disconnection.



Connect to TH Series Automatic Charging Relays or Time Delay Relays to provide an additional isolated/switched output or to extend current carrying capability



Simple & Robust Installation: Sealed MX-150 plug/harness with 2 ft control wires included. Reduces install time/costs. Optional output bus bar provides simple and compact connection to RT or CT fuse block product families.



Optional Deutsch DT/AT Connector Output supports an industry standard for marine and commercial vehicle.



Bullet-proof Construction: Sealed unit, high temperature materials allow mounting anywhere on vehicle. Stainless steel self-locking hardware



Single or Dual Split Output Options provide flexibility for different electrical system requirements

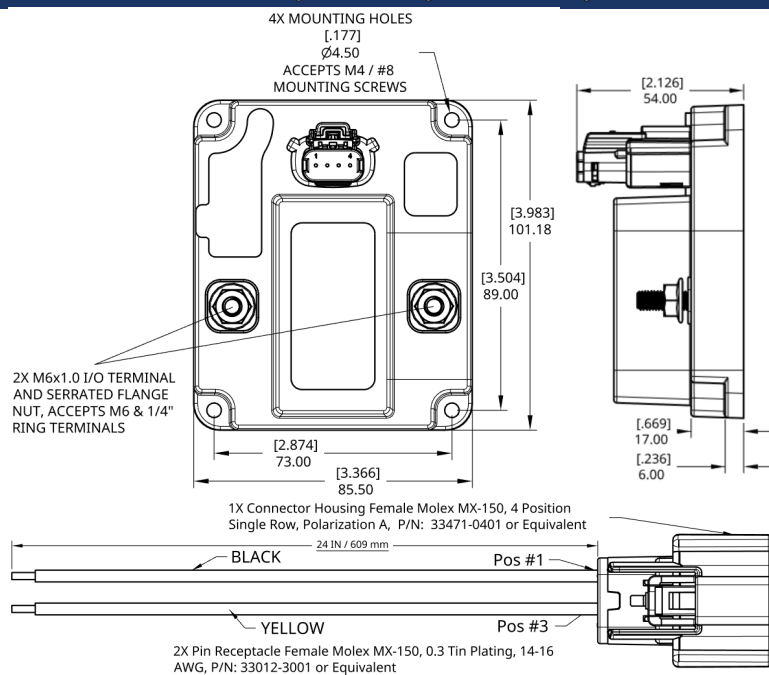


Integral Diode Suppression reduces voltage spikes on control lines during switching

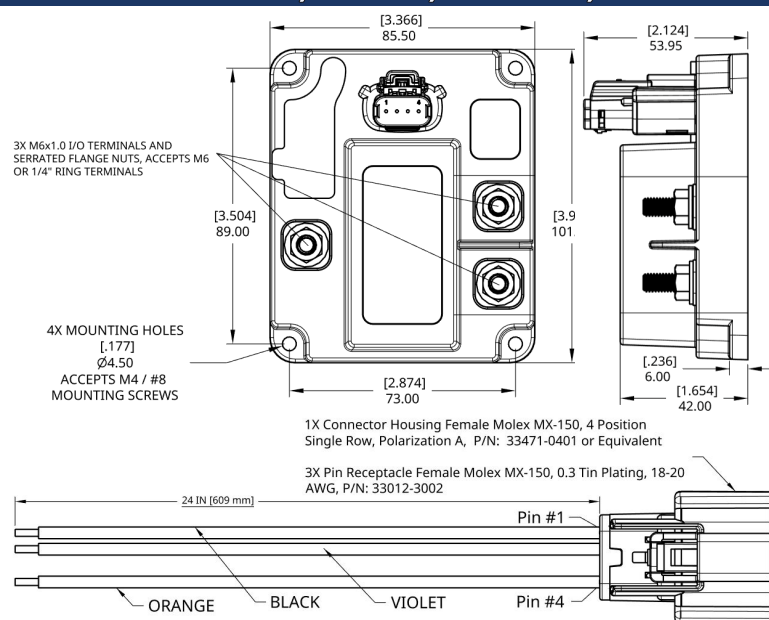


Lifetime Satisfaction Guarantee

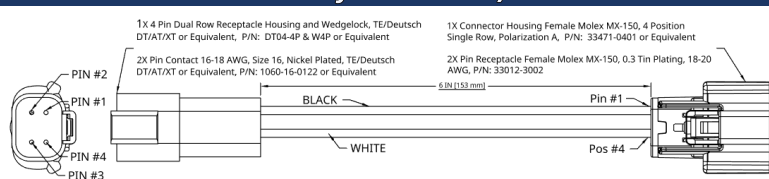
Dimensions - 7421 / 7421B / 7421-24 / 7421-24B



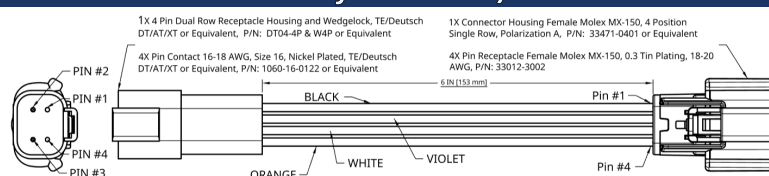
Dimensions - 7422 / 7422B / 7422-24 / 7422-24B



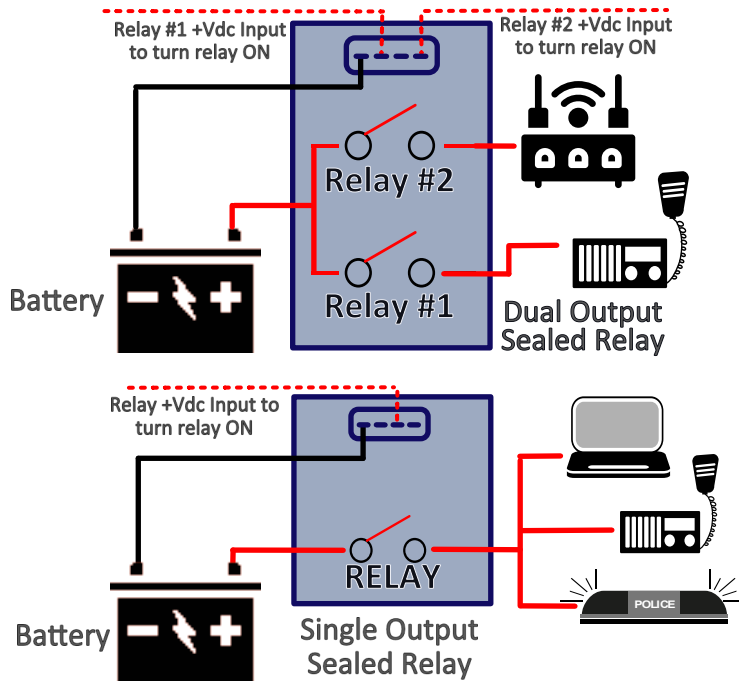
Harness Substitution for 7421D / 7421-24D



Harness Substitution for 7422D / 7422-24D



System Diagrams - Single / Dual Output



Specifications - Single Pole

Nominal Voltage (Vdc)	12	24
Input Voltage Range (Vdc)	8.0-17.0	16.0-34.0
Continuous Current (Amps)	160	
Operating Current (Amps)	0.340	0.170
Max 5 Min Current (Amps)	240	
I/O Cable Size to Meet Ratings	1/0 AWG	
Maximum Cable Size	2/0 AWG	
Hardware Material	Stainless Steel Self-Locking	
Terminal Stud Torque	80 in-lbs	

Specifications - Double Pole

Nominal Voltage (Vdc)	12	24
Input Voltage Range (Vdc)	8.0-17.0	16.0-34.0
Continuous Current (Amps)	80 A Per Output	
Operating Current Per Circuit (Amps)	0.170	0.085
Max 5 Min Current (Amps)	120 A Per Output	
Input Cable Size to Meet Ratings	1/0 AWG	
Output Cable Size to Meet Ratings	6 AWG	
Maximum Cable Size	2/0 AWG	
Hardware Material	Stainless Steel Self-Locking	
Terminal Stud Torque	80 in-lbs	

Part Numbers	Retail	Bulk	Bulk DT/AT Connector
12V Relay, 160 Amp	7421	7421B	7421D
24V Relay, 160 Amp	7421-24	7421-24B	7421-24D
12V Dual Relay, 2X 80 Amp	7422	7422B	7422D
24V Dual Relay, 2X 80 Amp	7422-24	7422-24B	7422-24D
DT/AT Series Full Harness	4607-1001D		

* Custom product configurations available including stud sizes, control harness wires. Low minimum quantities and short lead time for samples or production. Contact us at support@egismobile.com for more information



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