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1-1414939-4 Product Details



1-1414939-4

Automotive Relays



Product Highlights:

- Plug-In Relays
- Relay Type = Battery Disconnect Switch
- Terminal Type = Connector and Screw Nominal Voltage = 12 VDC
- Bistable, 2 Coils Coil Magnetic System

View all Features

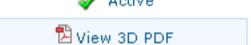
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TE Internal Number: 1-1414939-4 🥒 Active





Documentation & Additional Information Additional Information: Product Drawings: BDS-A 14V Latching (PDF, English) Product Line Information Related Products: Catalog Pages/Data Sheets: Battery Disconnect Switch BDS-A, High Current Device... (PDF, English) Tooling Product Specifications: None Available Application Specifications: None Available Instruction Sheets: None Available CAD Files: (CAD Format & Compression Information) 2D Drawing (DXF, Version A) 3D Model (IGES, Version A) • 3D Model (STEP, Version A) List all Documents

Product Features (Please use the Product Drawing for all design activity)

Product Type Features:

- Product Designation = Plug-In Relays
- Relay Type = Battery Disconnect Switch
- Terminal Type = Connector and Screw
- Series = BDS-A

Mechanical Attachment:

Mounting Bracket(s) = Without

Electrical Characteristics:

- Nominal Voltage (VDC) = 12
- Coil Resistance (Ω) = 5
- Contact Current Class = >50A Class
- Rated Current @ 85° C (A) = 260
- Contact Limiting Continuous Current (A) = 190
- Contact Limiting Breaking Current (A) = 1500
- Contact Limiting Short-Time Current (A) = 1000
- Contact Limiting Making Current (A) = 1500
- Contact Switching Recommended Load, Min. = 1000mA at 5V
- Coil Rated Voltage (VDC) = 12
- Coil Rated Power, DC (mW) = 7000
- Insulation Initial Dielectric Between Contacts and Coil (V rms) = 500
- Insulation Initial Dielectric Between Open Contacts (V rms) = 500

- Dimensions: Length (mm [in]) = 37.00 [1.457]
 - Width (mm [in]) = 60.00 [2.362]
 - Height (mm [in]) = 33.00 [1.299]

Body Features:

Weight (g [oz]) = 210.00 [7.408]

Contact Features:

Contact Base Material = AgSnO

Configuration Features:

- Coil Magnetic System = Bistable, 2 Coils
- Contact Arrangement = 1 Form X (NO, Bridging)

Industry Standards:

- RoHS/ELV Compliance = RoHS compliant, ELV compliant
- Lead Free Solder Processes = Not relevant for lead free process RoHS/ELV Compliance History = Always was RoHS compliant

Environmental:

- Environmental Ambient Temperature, Max. (°C [°F]) = 120 [248]
- Environmental Category of Protection = RTI

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