



1-1414939-4 Product Details

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1-1414939-4

TE Internal Number: 1-1414939-4

Active

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Automotive Relays

Always EU RoHS/ELV Compliant (Statement of Compliance)

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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Documentation & Additional Information

Product Drawings:

- [BDS-A 14V Latching](#) (PDF, English)

Catalog Pages/Data Sheets:

- [Battery Disconnect Switch BDS-A, High Current Device...](#) (PDF, English)

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)

Additional Information:

- [Product Line Information](#)

Related Products:

- [Tooling](#)

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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 \(\$\Omega\$ \)](#) = 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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