



KBP-20DG-110 Product Details

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KBP-20DG-110
(3-1393100-5)

TE Internal Number: 3-1393100-5

Active

Industrial Relays (General Purpose)

Converted to EU RoHS but not ELV Compliant (Statement of Compliance)

Product Highlights:

- KBP Series
- Contact - Current Class = 5A to 10A Class, Less Than 16A
- Contact - Rated Current = 10 A
- Terminal Type = Plug-in
- Contact - Arrangement = 5 Form C (CO)

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Documentation & Additional Information

Product Drawings:

- None Available

Catalog Pages/Data Sheets:

- [KBP 10 Amp Dual Coil Latching Relay \(PDF, English\)](#)

Product Specifications:

- None Available

Application Specifications:

- None Available

Instruction Sheets:

- None Available

CAD Files:

- None Available

Additional Information:

- [Product Line Information](#)

Additional Product Images:

- [Schematic](#)
- [Wiring Diagram](#)

Related Products:

- [Tooling](#)

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

Electrical Characteristics:

- Contact - Current Class = 5A to 10A Class, Less Than 16A
- [Contact - Rated Current \(A\)](#) = 10
- Contact - Limiting Continuous Current (A) = 10
- Contact - Limiting Making Current (A) = 10
- Contact - Limiting Breaking Current (A) = 10
- Insulation - Initial Dielectric Between Coil/Contact Class = 500V to 1000V Class
- Insulation - Initial Dielectric Between Open Contacts (V rms) = 500
- Insulation - Initial Dielectric Between Contacts and Coil (V rms) = 1000
- Contact - Rated Voltage (VAC) = 120
- Contact - Limiting Short-Time Current (A) = 10
- Contact - Switching Recommended Load, Min. = 300mA at 12V
- Coil - Rated Voltage (VDC) = 110
- [Coil - Resistance \(Ω\)](#) = 4560
- [Coil - Rated Power, DC \(mW\)](#) = 2650
- Insulation - Initial Dielectric Between Adjacent Contacts (V rms) = 1000
- Insulation - Initial Insulation Resistance (MΩ) = 100000

Dimensions:

- Mechanical - Length Class = >60mm Class
- Length (mm [in]) = 61.10 [2.406]
- Mechanical - Width Class = >40mm Class
- Width (mm [in]) = 45.20 [1.779]
- Mechanical - Height Class = >50mm Class
- Height (mm [in]) = 90.40 [3.559]

Body Features:

- Mount Type = Socket

Contact Features:

- Terminal Type = Plug-in
- Contact Material = AgCdO
- Contact - Number of Poles = 5

Configuration Features:

- [Contact - Arrangement](#) = 5 Form C (CO)
- [Coil - Magnetic System](#) = Bistable, 2 Coils
- Coil - Special Features = Mechanically Latching

Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS/Not ELV Compliant
- [Lead Free Solder Processes](#) = Not relevant for lead free process
- RoHS/ELV Compliance History = Converted to comply with RoHS not ELV directives
- Approved/Registered Standards = UL

Environmental:

- Environmental - Category of Protection = RTI
- Environmental - Ambient Temperature, Max. (°C [°F]) = 85 [185]
- Environmental - Ambient Temperature Class = 70°C to 85°C Class

Packaging Features:

- Packaging Method = Tray

Other:

- [Series](#) = KBP
- Brand = Potter & Brumfield
- Accessories/Socket Type = DIN-rail Socket, Track mount Socket

Feedback

- Weight (g [oz]) = 306.00 [10.794]

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