DZ Sockets for Automotive Relays
Durakool

Durakool, a WT/AEC Brand, has a long history, some 90 years, in the manufacturing of specialized, highly engineered, electrical and electronic components, primarily for automotive and industrial applications.

This catalogue gives detailed information of our current specialized DZ automotive sockets, designed to fit Durakool automotive relays.

Durakool’s unique range of miniature automotive relays and HVDC contactors are specially designed for applications up to 1000VDC, together with high current switching of DC loads. Specialist contactors can switch more than 3000A up to 72VDC and our miniature automotive Micro, Mini and Maxi ISO style HVDC relays fit industry standard relay sockets and terminals.

Through our disciplined approach, we have earned an excellent reputation for our technical innovation, agility, rapid response and high reliability. Our Team has a “CAN DO” attitude and is ready to tackle your most challenging applications.

Our creative engineering team has extensive experience in harsh environmental packaging concepts. We use high quality products and make our own glass to metal hermetic seals.

Please contact our Engineering Team at Willow Technologies Limited, AEC, or your local distributor for further information and non standard items from within our extensive product range.
Controlling electricity for over 80 years!

- Global production facilities
- Extensive product portfolio
- Reputation for high reliability

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Specifications are subject to change without notice. E&OE.

See website for contact details:  www.durakoolrelays.com
DZ Series
Automotive Relay Sockets

DZ82AB-4-PCB - 4 Pin PCB socket for micro-ISO relays

- Brass, bright tin (Sn) plated contacts
- Heat stabilised thermoplastic, 140°C
- Continuous use temperature rating
- 4 Pin
- PCB Mount
- RoHS Compliant

Dimensions inches [mm]

DZ82AB-5-PCB - 5 Pin PCB socket for micro-ISO relays

- Brass, bright tin (Sn) plated contacts
- Heat stabilised thermoplastic, 140°C
- Continuous use temperature rating
- 5 Pin
- PCB Mount
- RoHS Compliant

Dimensions inches [mm]

DZ82AB-4-SPCB - 4 Short pin PCB socket for micro-ISO relays

- Brass, bright tin (Sn) plated contacts
- Heat stabilised thermoplastic, 140°C
- Continuous use temperature rating
- 4 Short pins
- PCB Mount
- RoHS Compliant

Dimensions inches [mm]

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DZ82AB-5-SPCB - 5 Short pin PCB socket for micro-ISO relays

- Brass, bright tin (Sn) plated contacts
- Heat stabilised thermoplastic, 140°C
- Continuous use temperature rating
- 5 Short pins
- PCB Mount
- RoHS Compliant

Dimensions inches [mm]

DZ82AB-5-WH1 - Socket with mounting bracket for micro-ISO relays

- Heat stabilised thermoplastic, 140°C
- Continuous use temperature rating
- For industry standard terminals - not included
- Typical suitable terminals:
  - AMP 42100 ¼” blade 14-18 AWG
  - AMP 42281 ¼” blade 14-18 AWG
  - AMP 42904 ⅜” blade 12-16 AWG
  - AMP 60249 ⅜” blade 12-16 AWG
  - AMP 60253 ½” blade 12-14 AWG
  - AMP 281197 ⅜” blade 13-17 AWG
  - AMP 282180 ⅜” blade 15-20 AWG
- 5 Pin housing
- Crimp not supplied
- RoHS Compliant

Dimensions inches [mm]

DZ82AB-5-WH2 - Socket with mounting bracket for micro-ISO relays

- Heat stabilised thermoplastic, 140°C
- Continuous use temperature rating
- For industry standard terminals - not included
- Typical suitable terminals:
  - AMP 42100 ¼” blade 14-18 AWG
  - AMP 42281 ¼” blade 14-18 AWG
  - AMP 42904 ⅜” blade 12-16 AWG
  - AMP 60249 ⅜” blade 12-16 AWG
  - AMP 60253 ½” blade 12-14 AWG
  - AMP 281197 ⅜” blade 13-17 AWG
  - AMP 282180 ⅜” blade 15-20 AWG
- 5 Pin housing
- Crimp not supplied
- RoHS Compliant

Dimensions inches [mm]
DZ Series
Automotive Relay Sockets

DZ85AB-4-WH - 4 Pin cable housing socket without mounting bracket for mini-ISO relays

- Heat stabilised thermoplastic, 140°C
- Continuous use temperature rating
- For industry standard terminals - not included
- Typical suitable terminals:
  - AMP 42100 ¼" blade 14-18 AWG
  - AMP 42281 ¼" blade 14-18 AWG
  - AMP 42904 ¼" blade 12-16 AWG
  - AMP 60249 ¼" blade 12-16 AWG
  - AMP 60253 ¼" blade 12-14 AWG
- RoHS Compliant

DZ85AB-5-WH - 5 Pin cable housing socket without mounting bracket for mini-ISO relays

- Heat stabilised thermoplastic, 140°C
- Continuous use temperature rating
- For industry standard terminals - not included
- Typical suitable terminals:
  - AMP 42100 ¼" blade 14-18 AWG
  - AMP 42281 ¼" blade 14-18 AWG
  - AMP 42904 ¼" blade 12-16 AWG
  - AMP 60249 ¼" blade 12-16 AWG
  - AMP 60253 ¼" blade 12-14 AWG
- RoHS Compliant

DZ85AB-5-WH1 - 5 Pin cable housing sockets for relays or flashers

- Heat stabilised thermoplastic, 140°C
- For industry standard terminals - not included
- Typical suitable terminals:
  - AMP 42100 ¼" blade 14-18 AWG
  - AMP 42281 ¼" blade 14-18 AWG
  - AMP 42904 ¼" blade 12-16 AWG
  - AMP 60249 ¼" blade 12-16 AWG
  - AMP 60253 ¼" blade 12-14 AWG
- RoHS Compliant

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See website for contact details:  www.durakoolrelays.com
DZ85AB-5-WH2 - 5 Pin cable housing socket with mounting bracket for mini-ISO relays

- Heat stabilised thermoplastic, 140°C
- Continuous use temperature rating
- Brass, bright tin (Sn) plated contacts
- For industry standard terminals - not included
- Typical suitable terminals:
  - AMP 42100 ¼" blade 14-18 AWG
  - AMP 42281 ¼" blade 14-18 AWG
  - AMP 42904 ¼" blade 12-16 AWG
  - AMP 60249 ¼" blade 12-16 AWG
  - AMP 60253 ¼" blade 12-14 AWG
- RoHS Compliant

DZ85AB-4-PCB - 4 Pin PCB socket for mini ISO relays

- Heat stabilised thermoplastic, 140°C
- Continuous use temperature rating
- Brass, bright tin (Sn) plated contacts
- 4 Pin
- RoHS Compliant

DZ85AB-4-SPCB - 4 Short pin PCB socket for mini-ISO relays

- Heat stabilised thermoplastic, 140°C
- Continuous use temperature rating
- Brass, bright tin (Sn) plated contacts
- 4 Short pins
- RoHS Compliant
DZ Series
Automotive Relay Sockets

DZ85AB-5-PCB - 5 Pin PCB socket for mini-ISO relays

- Heat stabilised thermoplastic, 140°C
- Continuous use temperature rating
- For industry standard terminals
- 5 Pin
- RoHS Compliant

DZ85AB-5-SPCB - 5 Short pin socket for mini-ISO relays

- Heat stabilised thermoplastic, 140°C
- Continuous use temperature rating
- For industry standard terminals
- 5 Short pins
- RoHS Compliant

DZ85CD-4-SPCB - 4 Terminal PCB - 6 Short pin socket for maxi-ISO relays

- SPCB Model, Brass, Bright Tin (Sn) Plated Contacts
- Heat stabilised thermoplastic, 140°C
- Continuous use temperature rating
- 6 Short Pins
- RoHS Compliant

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See website for contact details: www.durakoolrelays.com
**DZ85CD-4-WH - 4 Terminal cable housing socket for maxi-ISO relays**

- Heat stabilised thermoplastic, 140°C
- Continuous use temperature rating
- For industry standard terminals - not included
- Typical suitable crimp terminals:
  - AMP 42100 ¼” blade 14-18 AWG
  - AMP 42281 ¼” blade 14-18 AWG
  - AMP 42904 ¼” blade 12-16 AWG
  - AMP 60249 ¼” blade 12-16 AWG
  - AMP 60253 ¼” blade 12-14 AWG
  - AMP 280766 ⅜” blade 10-12 AWG
- RoHS Compliant

**DZ85CD-5-WH - 5 Terminal cable housing socket for maxi-ISO relays**

- Heat stabilised thermoplastic, 140°C
- Continuous use temperature rating
- For industry standard terminals - not included
- Typical suitable crimp terminals:
  - AMP 42100 ¼” blade 14-18 AWG
  - AMP 42281 ¼” blade 14-18 AWG
  - AMP 42904 ¼” blade 12-16 AWG
  - AMP 60249 ¼” blade 12-16 AWG
  - AMP 60253 ¼” blade 12-14 AWG
  - AMP 280756 ⅜” blade 10-12 AWG
- RoHS Compliant

**DZ85AB-5-WP Weatherproof socket for mini-ISO relays**

- Heat stabilised thermoplastic, 140°C
- Continuous use temperature rating
- For industry standard terminals - not included
- Typical suitable crimp terminals:
  - AMP 42100 ¼” blade 14-18 AWG
  - AMP 60253 ¼” blade 12-14 AWG
- RoHS Compliant
- IP67
- Testing passed:
  - Dust Exposure: SAE J1455 Sect. 4.7, IEC 60529 Sect. 13.4 & 13.6
  - Salt Spray: ASTM B117-07
  - Water Immersion IEC 60529 Sect. 14.2.7
  - Fluids Compatibility SAE J1455 Sect. 4.7, Engine Oil, Brake Fluid, Washer Solvent, Gasoline, Diesel Fuel

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High temperature silicone gasket wire seals for weatherproof mini-ISO Socket DZAB-5-WP

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Dimensions inches

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