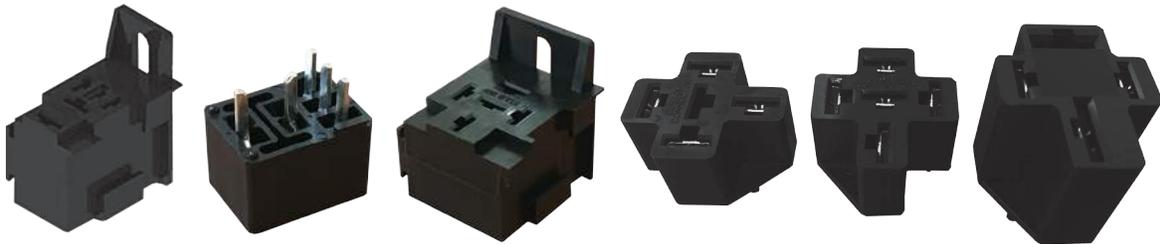


DURAKOOL

DZ Sockets for Automotive Relays



sales@aecensors.com



About American Electronics Components Incorporated

AEC founded as Durakool in 1935 is a leader in the design and manufacture of specialized highly engineered electrical and electronic components, primarily for automotive and industrial applications. Our product line includes position sensors, G-force sensors, acceleration switches, **Durakool** relays, push button switches, inclination sensors & switches and **HermaSeal** glass to metal seals. Our creative engineering team has extensive experience in harsh environmental packaging concepts. We use high-quality products and are positioned to support your most challenging applications.

The automotive, transportation, robot arm and industrial markets rely on AEC for sophisticated low-cost sensors and controls that enhance the safety and performance of their products. Through our disciplined approach, we have earned an excellent reputation for our technical innovation, agility, rapid response and high reliability. The AEC team has a “CAN DO” attitude and is ready to tackle your most challenging applications.

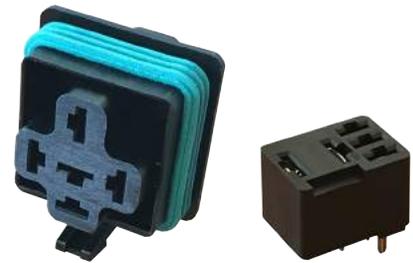
Please contact our Engineering Team at AEC, or your local Distributor, for further information and non standard items within our extensive product range.

Information regarding Durakool Automotive Relay Sockets and Socket Accessories (Clips, Modules & Terminal Strips) can also be found on our website: www.aecensors.com. To discuss your application or for advice, please call us on the appropriate number below.

Controlling electricity for over 80 years!

American Electronic Components and Durakool

- ▲ Global production facilities
- ▲ Extensive product portfolio
- ▲ Reputation for high reliability
- ▲ ISO9001:2008 & ISO14001:2004 Registered



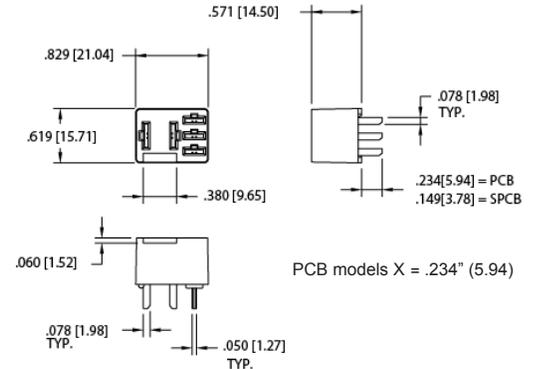
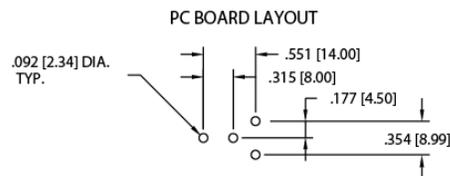
Index of Contents

		Page
AEC & Durakool	Company information	2
Index	Catalogue contents	3
Part Number	Use with relay series	-
DZ82AB-4-PCB	DG82	4
DZ82AB-5-PCB	DG82	4
DZ82AB-4-SPCB	DG82	4
DZ82AB-5-SPCB	DG82	5
DZ82AB-5-WH1	DG82	5
DZ82AB-5-WH2	DG82	5
DZ85AB-4-WH	DG55, DG56A, DG57BM, DG85A, DG85B, DG85BM, DG85F	6
DZ85AB-5-WH	DG55, DG55M, DG56A, DG57BM, DG85A, DG85B, DG85BM, DG85F	6
DZ85AB-5-WH1	DG55, DG55M, DG56A, DG57BM, DG85A, DG85B, DG85BM, DG85F	6
DZ85AB-5-WH2	DG55, DG55M, DG56A, DG57BM, DG85A, DG85B, DG85BM, DG85F	7
DZ85AB-4-PCB	DG55, DG56A, DG57BM, DG85A, DG85B, DG85BM, DG85F	7
DZ85AB-4-SPCB	DG55, DG56A, DG57BM, DG85A, DG85B, DG85BM, DG85F	7
DZ85AB-5-PCB	DG55, DG55M, DG56A, DG57BM, DG85A, DG85B, DG85BM, DG85F	8
DZ85AB-5-SPCB	DG55, DG55M, DG56A, DG57BM, DG85A, DG85B, DG85BM, DG85F	8
DZ85CD-4-SPCB	DG56C, DG57CM, DG85C, DG85G	8
DZ85CD-4-WH	DG56C, DG57CM, DG85C, DG85D, DG85G, DG85H	9
DZ85CD-5-WH	DG56C, DG85C, DG85G	9
DZ85AB-5-WP	DG56A, DG85A, DG85B & DG85F with skirt option "S" or "S1"	9
DZ85S-O	Cable seal, fits DZ85AB-5-WP	10
DZ85S-G	Cable seal, fits DZ85AB-5-WP	10
DZ85S-Y	Cable seal, fits DZ85AB-5-WP	10
DZ85P-G	Blanking plug, fits DZ85AB-5-WP	10
Back Cover	Catalogue Issue Number	11

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

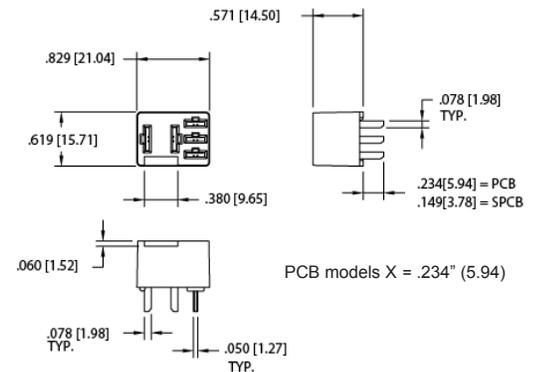
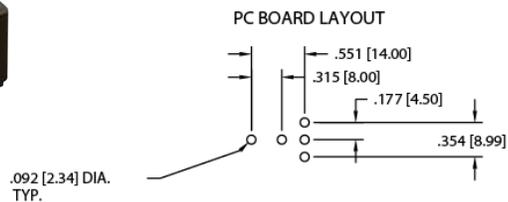


Dimensions inches [mm]

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

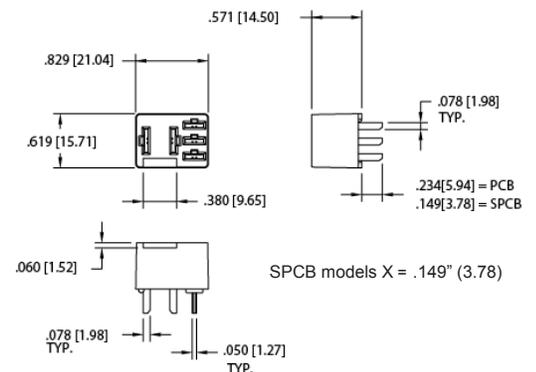
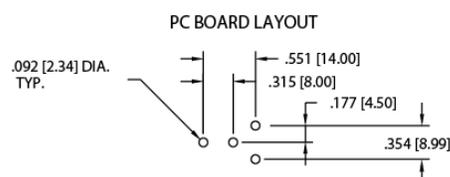


Dimensions inches [mm]

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

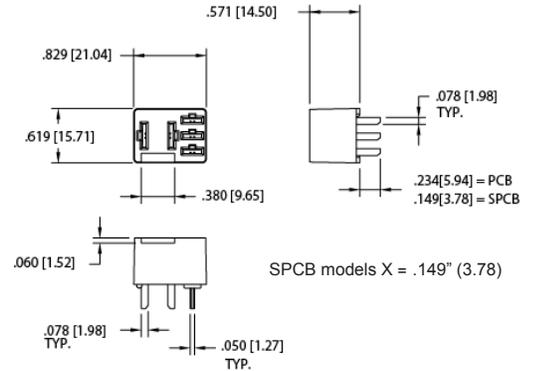
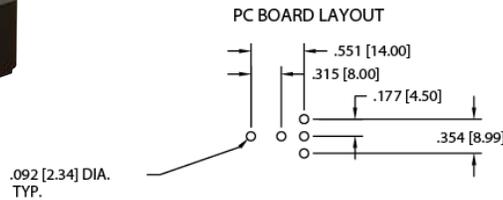


Dimensions inches [mm]

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

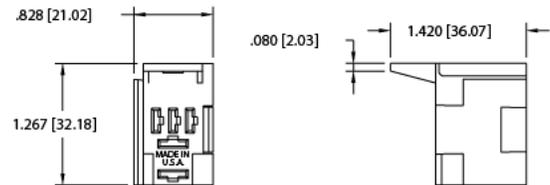


Dimensions inches [mm]

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 1/4" blade 14-18 AWG
 - ♦ AMP 42281 1/4" blade 14-18 AWG
 - ♦ AMP 42904 1/4" blade 12-16 AWG
 - ♦ AMP 60249 1/4" blade 12-16 AWG
 - ♦ AMP 60253 1/4" blade 12-14 AWG
 - ♦ AMP 281197 3/16" blade 13-17 AWG
 - ♦ AMP 282180 3/16" blade 15-20 AWG
- 5 Pin housing
- Crimp not supplied
- RoHS Compliant

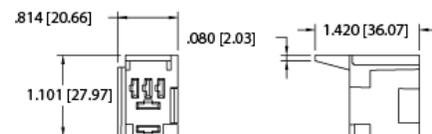


Dimensions inches [mm]

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 1/4" blade 14-18 AWG
 - ♦ AMP 42281 1/4" blade 14-18 AWG
 - ♦ AMP 42904 1/4" blade 12-16 AWG
 - ♦ AMP 60249 1/4" blade 12-16 AWG
 - ♦ AMP 60253 1/4" blade 12-14 AWG
 - ♦ AMP 281197 3/16" blade 13-17 AWG
 - ♦ AMP 282180 3/16" blade 15-20 AWG
- 5 Pin housing
- Crimp not supplied
- RoHS Compliant

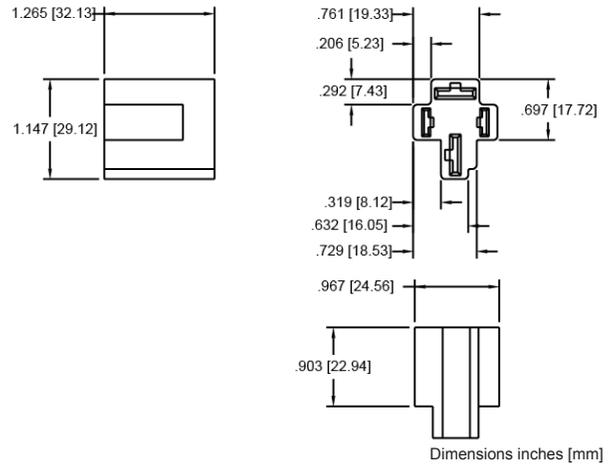


Dimensions inches [mm]

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



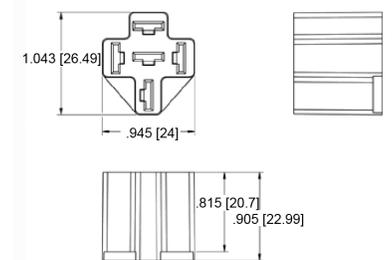
- Heat stabilised thermoplastic, 140°C
- Continuous use temperature rating
- For industry standard terminals - not included
- Typical suitable terminals:
 - ◆ AMP 42100 ¼" blade 14-18 AWG
 - ◆ AMP 42281 ¼" blade 14-18 AWG
 - ◆ AMP 42904 ¼" blade 12-16 AWG
 - ◆ AMP 60249 ¼" blade 12-16 AWG
 - ◆ AMP 60253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



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



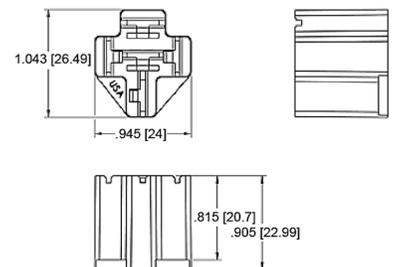
- Heat stabilised thermoplastic, 140°C
- Continuous use temperature rating
- For industry standard terminals - not included
- Typical suitable terminals:
 - ◆ AMP 42100 ¼" blade 14-18 AWG
 - ◆ AMP 42281 ¼" blade 14-18 AWG
 - ◆ AMP 42904 ¼" blade 12-16 AWG
 - ◆ AMP 60249 ¼" blade 12-16 AWG
 - ◆ AMP 60253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



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



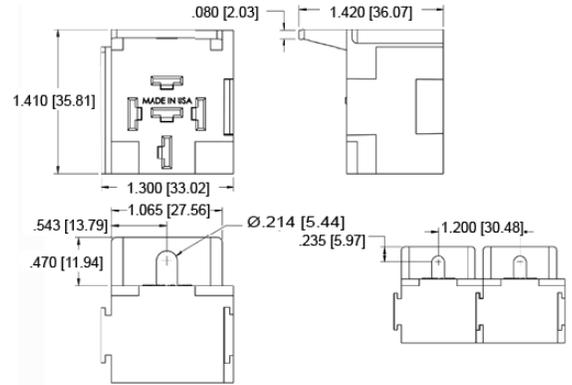
- Heat stabilised thermoplastic, 140°C
- For industry standard terminals - not included
- Typical suitable terminals:
 - ◆ AMP 42100 ¼" blade 14-18 AWG
 - ◆ AMP 42281 ¼" blade 14-18 AWG
 - ◆ AMP 42904 ¼" blade 12-16 AWG
 - ◆ AMP 60249 ¼" blade 12-16 AWG
 - ◆ AMP 60253 ¼" blade 12-14 AWG
- RoHS Compliant



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

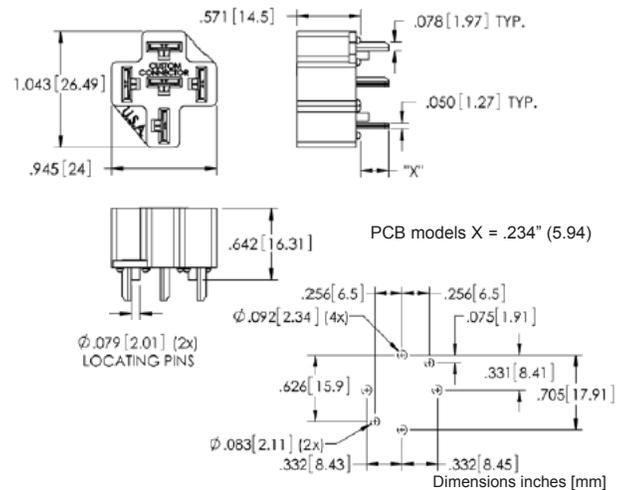


Dimensions inches [mm]

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

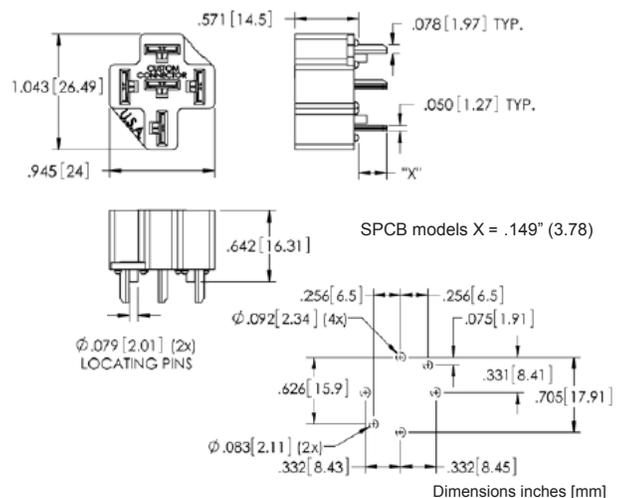


Dimensions inches [mm]

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

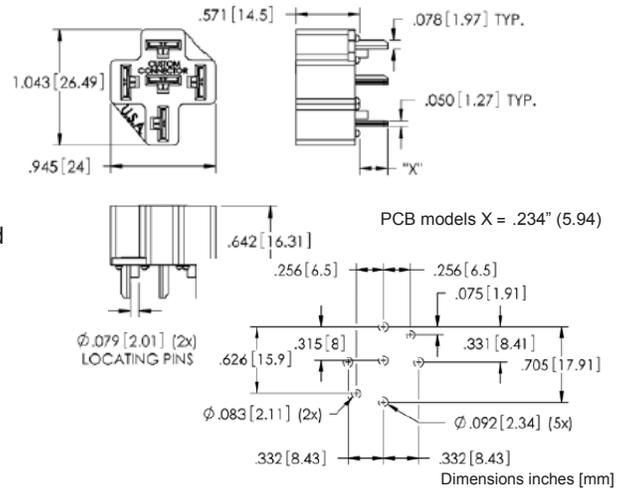


Dimensions inches [mm]

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



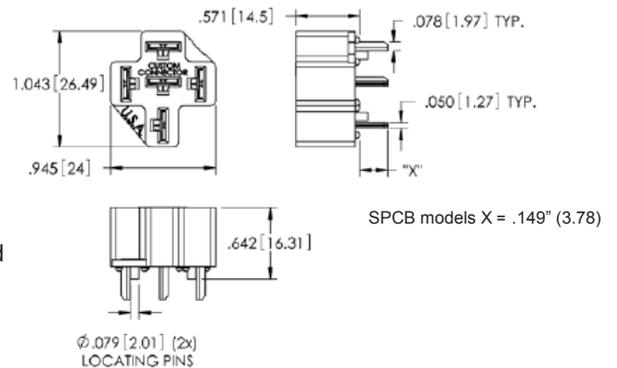
- Heat stabilised thermoplastic, 140°C
- Continuous use temperature rating
- For industry standard terminals - not included
- 5 Pin
- RoHS Compliant



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



- Heat stabilised thermoplastic, 140°C
- Continuous use temperature rating
- For industry standard terminals - not included
- 5 Short pins
- RoHS Compliant

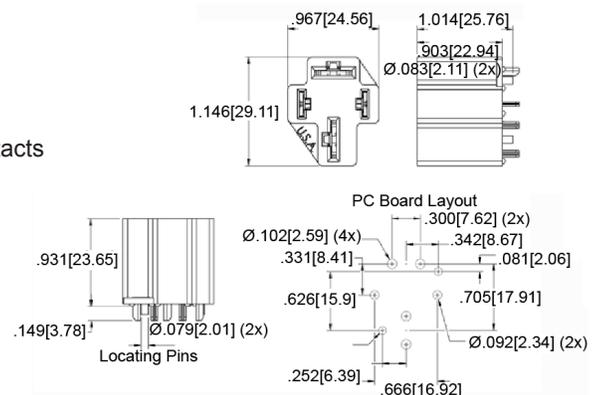


Dimensions inches [mm]

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



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

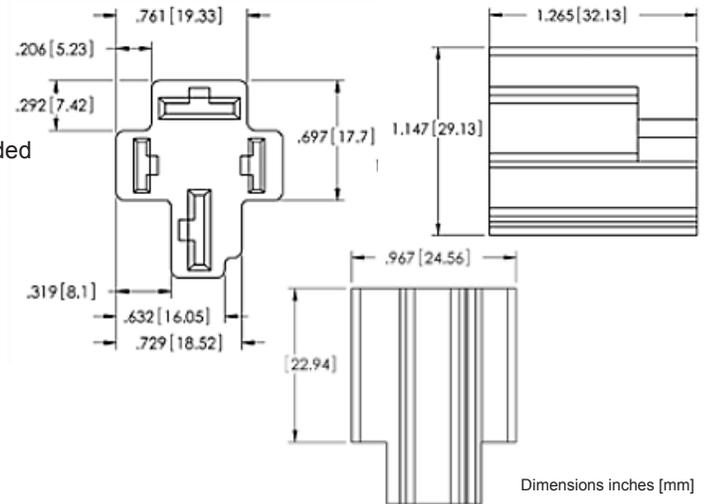


Dimensions inches [mm]

DZ85CD-4-WH - 4 Terminal cable housing socket for maxi-ISO relays



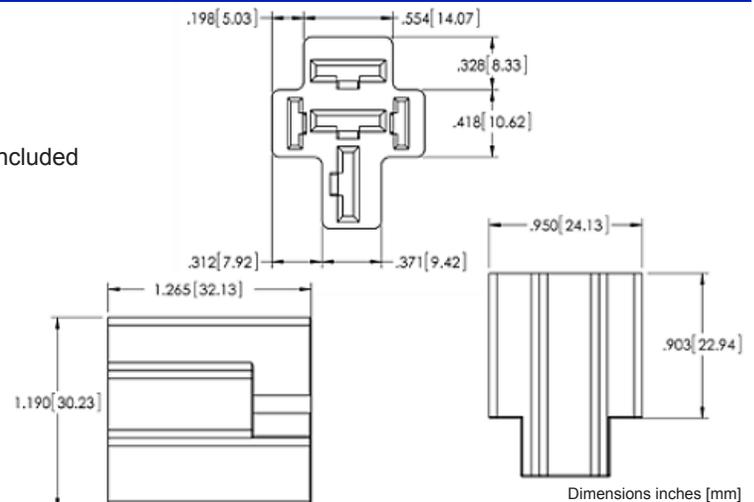
- Heat stabilised thermoplastic, 140°C
- Continuous use temperature rating
- For industry standard terminals - not included
- Typical suitable crimp terminals:
 - ◆ AMP 42100 ¼" blade 14-18 AWG
 - ◆ AMP 42281 ¼" blade 14-18 AWG
 - ◆ AMP 42904 ¼" blade 12-16 AWG
 - ◆ AMP 60249 ¼" blade 12-16 AWG
 - ◆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



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



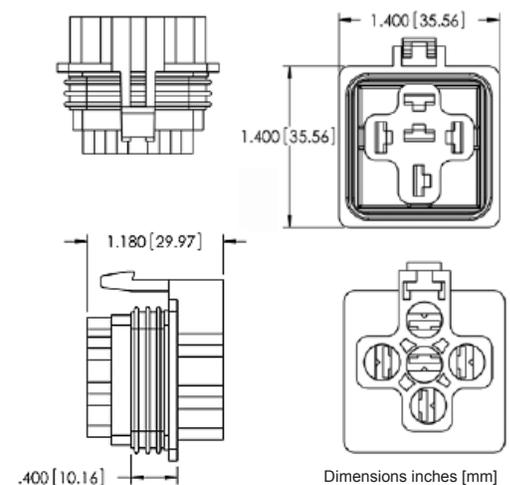
- Heat stabilised thermoplastic, 140°C
- Continuous use temperature rating
- For industry standard terminals - not included
- Typical suitable crimp terminals:
 - ◆ AMP 42100 ¼" blade 14-18 AWG
 - ◆ AMP 42281 ¼" blade 14-18 AWG
 - ◆ AMP 42904 ¼" blade 12-16 AWG
 - ◆ AMP 60249 ¼" blade 12-16 AWG
 - ◆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



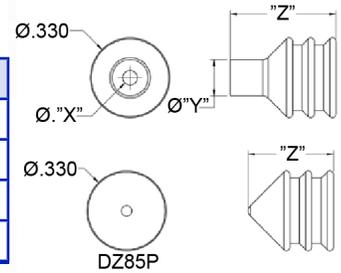
- Heat stabilised thermoplastic, 140°C
- Continuous use temperature rating
- For industry standard terminals - not included
- Typical suitable crimp terminals:
 - ◆ AMP 42100 ¼" blade 14-18 AWG
 - ◆ AMP 60253 ¼" blade 12-14 AWG
- RoHS Compliant
- IP67
- Testing passed:
 - ◆ Dust Exposure: SAE J1455 Sect. 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



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



Part No.	X	Y	Z	Colour
DZ85S-O	0.060	0.150	0.429	Orange
DZ85S-G	0.090	0.190	0.396	Grey
DZ85S-Y	0.130	0.230	0.376	Yellow
DZ85P-G	N/A	N/A	0.353	Grey



Dimensions inches

The logo for DURAKOOL, featuring the word "DURAKOOL" in a bold, white, sans-serif font. The letter "D" is stylized with a horizontal bar extending to the left. The logo is set against a background of blue, glowing, curved lines that create a sense of motion and depth.

DURAKOOL