



Providing Optimized Solutions

Specialists in Switching, Sensing
and Hermetic Sealing Products



We want to hear about your design problems...

- Leading global provider of specialized switching, sensing and hermetic sealing solutions
- In-house product engineering, design and manufacturing capabilities
- Production facility enabling rapid prototyping of custom parts
- Over 75 years of application experience



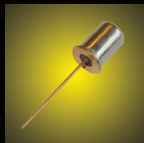
TILT Switches

- From logic level loads up to 25 Amps
- Environmentally resistant hermetically sealed
- Ball, MEMS, or mercury
- Nude switches or cased with leads
- Custom packages



Tip-Over Switches

- From logic level loads up to 12.5 Amps
- Omni-directional
- Environmentally resistant hermetically sealed
- Ball, MEMS or mercury
- Nude switches and custom packages



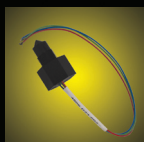
G-Force Switches

- 2.5 to 15 G's
- Logic level loads
- Gold contacts
- Small T0-18 package
- Environmentally resistant hermetically sealed



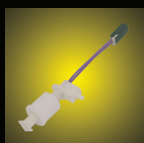
MEM's Accelerometer Custom Packages

- Force sensing $\pm 1\text{G}$ to $\pm 10\text{G}$
- Angle sensing $\pm 0.1^\circ$
- 3 Axis XYZ
- Custom programming
- Power switching



Optical Liquid Level Sensors

- $\pm 1\text{mm}$ repeatability
- Output current - sinks 10ma to 500ma
- Highly chemical resistant polysulphone housing
- Small package
- Photo transistor



Liquid Level

- Reed switch with magnetic float
- $\pm 3\text{mm}$ repeatability
- NO / NC
- Fuel resistant acetal
- Custom designs, various mounting methods



Float Switches

- $\frac{1}{2}$ HP @ 120 VAC, NO / NC / SPDT
- 45° to 85° operating angles
- Polypropylene housing 2.75" Dia. x 3.5"
- Sump pump controls
- Waste water & industrial tank level

About American Electronic Components

AEC, founded as Durakool in 1935, provides solutions to customers by designing, manufacturing and supplying components and systems to the electrical and electronic marketplace across the globe. Specialists in switching, sensing and hermetic seal solutions, the company has a wide portfolio of technologies and over 75 years of application experience.

With an in-house engineering capability and a production facility for rapid prototyping of custom parts, the company is well equipped to develop products matching customer specific application requirements. AEC is ISO9001: 2008 and ISO14001:2004 registered.



Proximity Sensors

- DC Capacitive
- AC Capacitive
- Inductive
- Photo-electric
- Ultra-sonic



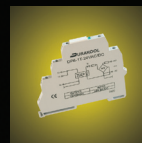
DG85 Automotive Style Relays

- 40A to 100A
- 12 VDC
- SPST/SPDT
- PCB or flat quick connect style
- DC coils 6V / 12V / 24V



Relays - PCB Power

- Up to 45A / 230VAC
- Wide selection of voltage & current capabilities
- Miniature & SMD versions
- Industry standard styles
- Solid-state relays up to 30A, 1 & 3 phase



DP6 Series Interface Relays

- Slim package DIN rail mount
- 6 Amp SPDT / 1.2 Amp triac / 0.5 Amp transistor
- Up to 400 VAC to 220 VDC
- Green LED indicator
- Can be used with an interconnection strip



D2 / D4 Industrial Relays

- "Ice Cube" style
- 6 Amp & 12 Amp
- 250 VAC / DC
- DPDT / 4PDT
- AC & DC coils from 5V to 240V



D15 / DUC / DB18 / DB30 Industrial Relays

- Octal (8 pin) / Undecal (11 pin)
- 10 Amp, 16 Amp & 30 Amp
- 250VAC / DC
- Multiple contact configurations available
- AC & DC coils from 6V to 240V



HHC Industrial Relays

- High power switching
- 40 Amp & 100 Amp
- Up to 400 VAC / DC
- Multiple contact configurations available
- AC & DC coils from 6V to 380V

Our Mission

"Our organization is focused upon solving customer problems centered around the core technologies of switching, sensing and hermetically sealed devices. We develop long term relationships with our customers and suppliers to provide the highest quality products & services exceeding the needs of our partners. We practice integrity and fairness in all that we do. We are an independent resource of product & knowledge, available as a key member of our partner's operations from concept to delivery and beyond. We are a growth orientated, profitable organization, re-investing to maintain a position of financial strength ensuring that we continue to expand upon the products and services we offer today."

... for more information
about AEC, our product
range and service
please visit our website

www.aecsensors.com



DT Industrial Relays

- High voltage switching
- Up to 10 Amp
- Up to 5000 VAC
- Up to 5000 VA
- AC & DC coils from 6V to 400V



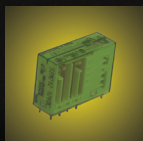
Relays - Mercury Displacement

- Best value cost / benefit ratio
- Hermetically sealed contacts
- Millions of operations
- Convenient mercury End-of-life return policy
- 10 Amp to 150 Amps



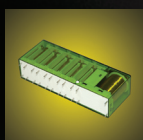
Electro-Mechanical Definite Purpose Contactors

- Non-mercury alternative
- UL listed / recognized
- 20 Amp to 150 Amps
- Resistive, FLA & HP rated
- 1, 2, 3 & 4 Pole



Elesta Force Guided Relays

- For use where safety is critical
- Swiss quality
- 2 to 10 contacts
- Industry leading styles, custom variants available
- Wide DC coil working ranges



Elesta Force Guided Power

- World's highest power safety relay
- Up to 16 Amps
- Up to 480 VAC / DC
- 4 or 6 contacts
- DC coils 6 to 220V



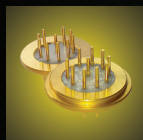
Elesta Force Guided Low Profile

- World's flattest safety relay
- 12.2mm overall height from PCB
- Up to 8 Amps
- Up to 250 VAC / DC
- 4 or 6 contacts



Sockets

- Both automotive and industrial styles
- DIN rail mountable
- Multiple indicator modules available
- Reliable screw type terminals
- Equipped for direct panel mounting



Feedthroughs

- Hermetically sealed
- Compression & matched types
- Single & multiple pins
- Numerous materials
- Custom designs



Headers

- Hermetically sealed
- Logic level up to 150 Amps
- Single & Multiple pins
- Ceramic to glass bonding
- Custom designs



Vacuum Brazing

- Bond various & dissimilar materials
- Robust joints
- Simultaneous brazing & glass to metal sealing
- Various brazing materials and format
- Custom designs



Custom Packaging

- Sensing, Switching or combinations
- Specialty mounting designs
- Robust construction
- Environmentally resistant hermetically sealed
- Integrated electrical connectivity



Providing Optimized Solutions



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