Limit Switches

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Rugged Limit Switches for Peanuts

AutomationDirect Heavy-Duty Metal IEC Limit Switches

**ABM Series metal**

Heavy-duty 40 and 65mm body IEC limit switches feature rugged die-cast aluminum or fiberglass-reinforced plastic housings. Models with multiple conduit openings save time and money when interconnecting multiple limit switches.

- 40 and 65mm body widths
- Die-cast aluminum or fiberglass-reinforced plastic housings
- Single and multiple conduit openings
- Conduit openings in ½" NPT or PG13.5 sizes
- Adjustable stainless and rubber rollers
- Snap-action (Z1 1) contacts
- 1 N.O. and 1 N.C. snap-action contacts on each unit
- 90-degree adjustable head
- Levers are adjustable to any angle on the operating shaft
- Two PG11 and one 1/2" NPT conduit entries
- Zinc alloy or reinforced thermoplastic housing
- Wide offering of head actuators
- IP65 or IP66 protection rating

**AAM Series metal**

These rugged 30mm body limit switches offer a compact body suitable for use in tight spaces.

- Single ½" NPT or PG13.5 conduit opening, or 5-pin M12 quick-disconnect
- J N.O. and J N.C. contact on all units
- 90-degree adjustable head
- Levers are adjustable to any angle on the operating shaft
- Two PG11 and one 1/2" NPT conduit entries
- Die-cast zinc or double-insulated PBT housings
- Snap-action (Z1 1) contacts
- 1 N.O. and 1 N.C. contact on all units
- Adjustable stainless and rubber rollers
- Snap and slow contact action
- Fixed stainless and rubber rollers for E52 limit switches
- Fully assembled out of the box
- IP67 ingress protection rating
- NEMA ratings: 3, 3S, 4, 4X, 6, 6P, & 13
- Die-cast zinc housing for industrial applications
- Fully assembled out of the box
- Snap-action with constant contact pressure up to the switching point
- M20 x 1.5 fitting, ½" NPT adapter included

Contact Blocks and Replacement Levers

Replacement contacts and levers are available for AutomationDirect IEC Limit switches.

- NO/NC, 2 N.C., and 2 NO contact types
- Snap and slow contact action
- Fixed stainless and rubber rollers for E52 limit switches
- Adjustable stainless and rubber rollers
- Snap-action with constant contact pressure up to the switching point
- M20 x 1.5 fitting, ½" NPT adapter included

**Achieve AHP Series Plastic IEC Limit Switches with Remote Reset**

Achieve AHP series plastic IEC limit switches feature a rugged 30mm body suitable for mounting in tight spaces and a latching contact that can be reset remotely via a 0.2 to 0.5 second 24 VDC signal.

- 90-degree adjustable head
- Levers are adjustable to any angle on the operating shaft
- Two PG11 and one 1/2" NPT conduit entries

**Schmersal 30 and 40mm IEC Limit Switches**

Schmersal limit switches come in a variety of actuator heads to meet a wide range of sensing applications. These IEC style limit switches come in either zinc alloy or glass-fiber thermoplastic bodies. The snap-action contacts are available in a variety of contact configurations.

- 90-degree adjustable head, levers are adjustable to any angle on the operating shaft
- Die-cast zinc or double-insulated thermoplastic enclosure
- Fully assembled out of the box
- Snap-action contacts are available in a variety of contact configurations.

**Eaton 39mm Metal NEMA Limit Switches**

These rugged NEMA rated limit switches with 39mm wide bodies are rated for indoor and outdoor use; they can handle dripping, splashing, and washdown with corrosive or non-corrosive cleaning agents, water, oil, or coolant; occasional, prolonged submersion in water; and even remain operable when the switch enclosure is laden with ice or sleet.

- Contact patterns, footprint, and mounting hole layout similar or identical to leading brands
- Die-cast zinc housing for industrial applications
- NEMA ratings: 3, 3S, 4, 4X, 6, 6P, & 13
- IP67 ingress protection rating
- Push, wobble, or side-rotary heads available
- Heads adjust in 90-degree increments
- Levers (when present) are adjustable to any angle on the operating shaft
- Fully assembled out of the box
- L2 in NPT conduit opening
- SPDT and DPTD snap action configurations available
## AutomationDirect Compact Limit Switches

**AEM2G Series Metal**

AutomationDirect compact limit switches with durable metal or double-insulated plastic housings are epoxy resin-filled for an IP67 protection rating. Select models offer a 1-meter halogen-free cable designed for low toxicity and low smoke emissions in case of fire.

- 35mm body width
- Die-cast metal or double-insulated plastic housings
- 3-meter cable or M12 quick disconnect
- Connection exit from bottom or right
- 1 N.O. and 1 N.C. contact on all units
- Compact size with standard 25mm hole spacing
- Wide offering of head actuators
- Both snap-action (Z11) and slow-make/slow-break (X11) contacts available
- N.C. contacts are positive-opening operated unless otherwise noted

**AEP2G Series Plastic**

AEP2G Series Plastic housings are epoxy resin-filled and are ideal for applications in tight spaces.

- 35mm body width
- Die-cast metal or double-insulated plastic housings
- 1-meter or 3-meter cable connection with bottom exit
- Connection exit from bottom or right
- 2 N.O. and 2 N.C. contact on all units
- Compact size with standard 25mm hole spacing
- Wide offering of head actuators
- Snap-action (Z11) contacts
- N.C. contacts are positive-opening operated unless otherwise noted

## Achieve Compact Limit Switches

**AEM2G Series Metal**

Achieve compact limit switches with durable metal or double insulated plastic housings are epoxy resin-filled and are ideal for applications in tight spaces.

- 35mm body width
- Die-cast metal or double-insulated plastic housings
- 1-meter or 3-meter cable connection with bottom exit
- Connection exit from bottom or right
- 2 N.O. and 2 N.C. contact on all units
- Compact size with standard 25mm hole spacing
- Wide offering of head actuators
- Snap-action (Z11) contacts
- N.C. contacts are positive-opening operated unless otherwise noted

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- Wide offering of head actuators
- Snap-action (Z11) contacts
- N.C. contacts are positive-opening operated unless otherwise noted

## Precision Limit Switches

Cost-effective, ultra-precise mechanical limit switches have a repeatability down to 10, 5, 3, and even 0.5 microns (µm) depending on the specific model. These limit switches are also some of the smallest switches/sensors available. Their tiny size allows them to be mounted in extremely tight locations.

### Metrol High-Precision Touch Limit Switches

METROL high-precision touch limit switches enable extremely precise positioning in all types of equipment such as jigs, industrial robots, and machine tools.

- 8.10, and 15mm body diameters
- 3 or 10mm stroke lengths
- 0.5 micron (µm) repeat accuracy
- N.O. or N.C. contacts (depending on model)
- In 23x38x18mm, 27x38x18mm, or 41x45x25mm housing sizes
- Stainless steel construction
- IP67 protection rating

### Metrol High-Precision Tool Setter Limit Switches

METROL high-precision tool setter limit switches are used to determine the length, diameter, or position of a tool or workpiece. They measure tool wear and ensure that tools are positioned accurately, allowing for precise cuts and measurements.

- 3 or 10mm stroke lengths
- 0.5 micron (µm) repeat accuracy
- N.O. or N.C. contacts
- In 23x38x13mm, 27x38x13mm, or 41x52x25mm housing sizes
- Stainless steel construction
- IP67 protection rating

### Metrol Precision Touch Limit Switches

Metrol precision touch limit switches provide precision, repeatability and a long service life. A variety of precision limit switches are available with actuators such as ball plungers, flat plungers, plungers with a surface radius and needle contact plungers. Select switches are available for special applications:

- Body diameter sizes from 4 to 16mm
- Sliding/angled touch sense depressions in tooling or other surfaces for indexing operations
- High-temperature series can be used in demanding environments such as in tooling and injection molding machines
- N.O. or N.C. contacts (depending on model)
- Stainless steel construction
- No movement differential
- No temperature drift
- Low Contact Force switches detect workpieces prone to scratching or deformation, such as semiconductors and ceramics
- Vacuum switches are made of low outgas materials for wafer and mask detection applications in vacuum chambers and semiconductor manufacturing equipment
- Stainless steel construction
Precision Limit Switches (continued)

Metrol Stopper Limit Switches
Metrol stopper limit switches incorporate a mechanical stop with a limit switch function and can be directly embedded in a limited mounting space to reduce the size of the machine.

• 10 or 11mm body diameters
• 0.3 or 0.5mm stroke lengths
• 10 micron (µm) repeat accuracy

• N.O. contacts
• Stainless steel construction
• IP67 protection rating

Starting from $47.50

Metrol Stopper Bolt Limit Switches
Stopper bolt limit switches accomplish two tasks with one device: they withstand the impact force required to stop a target and provide an output signal. Stopper bolt models are available in straight bolt, hexagonal bolt, waterproof, and mini housings.

• 6, 8, or 10mm body diameters
• 0.7mm stroke length
• 5000N withstand load/impact resistance

• N.O. contacts
• Stainless steel construction
• IP67 protection rating

Starting from $54.00

For the latest prices, please check AutomationDirect.com.