

SCHMERSAL



Achieve™

Limit Switches

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Rugged Limit Switches for Peanuts



AutomationDirect Heavy-Duty Metal IEC Limit Switches

ABM Series metal
ABP Series plastic

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 save wiring time and money when interconnecting several limit switches
- Conduit openings in 1/2" NPT or PG13.5 sizes
- Splined actuator shafts for very fine switch adjustment to fit all applications
- A variety of actuators, including roller levers and plungers
- Six interchangeable combinations of contact blocks



AutomationDirect 30mm IEC Limit Switches

AAM Series metal
AAP Series plastic

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

- Die-cast zinc or double-insulated PBT housings
- Single 1/2" NPT or PG11 conduit opening, or 5-pin M12 quick-disconnect
- 1 N.O. and 1 N.C. contact on all units
- A variety of actuators, including roller levers, plungers, and stainless steel rods
- Snap-action (Z11) contacts



Contact Blocks and Replacement Levers

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

- NO/NC, 2 NC, and 2 NO contact types
- Snap and slow contact action
- Fixed stainless and rubber rollers for E42 limit switches
- Adjustable stainless and rubber rollers for E52 limit switches



AchieVe™

Heavy-Duty 50mm IEC Limit Switches

ADM Series metal
ADP Series plastic

AchieVe ADM and ADP series IEC limit switches feature durable 50mm zinc alloy or reinforced thermoplastic housings, multiple conduit openings, and an IP65 or IP66 protection rating.

- 90-degree adjustable head
- Levers are adjustable to each 10° on the operating shaft
- Two PG11 or three 1/2" NPT conduit entries
- 1 N.O. and 1 N.C. snap-action contacts on each unit
- Zinc alloy or reinforced thermoplastic housing
- Wide offering of head actuators
- IP65 or IP66 protection rating

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
- 2 N.C. snap-action contacts per unit
- Reinforced thermoplastic housing
- Wide variety of head actuators
- IP65 protection rating

Starting from
\$42.00



SCHMERSAL

Schmersal 30 and 40mm IEC Limit Switches

235/236 Series 30mm Body Limit Switches
335/336 Series 40mm Body 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 with constant contact pressure up to the switching point
- M20 x 1.5 fitting, 1/2" NPT adapter included

EAT•N

Eaton 39mm Metal NEMA Limit Switches

F25 Series

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
- 1/2 in NPT conduit opening
- SPDT and DPTD snap action configurations available

Starting from
\$143.00





AutomationDirect Compact Limit Switches

AEM2G Series Metal
AEP2G Series Plastic

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

AchieVe™

AchieVe Compact Limit Switches

AEM2G Series Metal
AEP2G Series Plastic

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
- IP67 protection rating



SCHMERSAL Compact Limit Switches

PS116 Series

Schmersal compact limit switches are suitable for a variety of applications, their small size allowing them to easily be used in confined spaces.

- 31mm body width
- Zinc die-cast switch in a thermoplastic housing
- 2-meter cable or M12 quick disconnect
- Connection exit from bottom or right
- 1 N.O. and 1 N.C. contact on all units
- Snap-action and slow-makeslow break cont
- Compact size with standard 25mm hole spacing
- Wide offering of head actuators
- 45-degree adjustable head
- IP66/67 protection rating



IDEM Micro Limit Switches

IDEM high-precision 15A-rated micro switches are available in a variety of styles and actuator types.

- Plunger series models offer short and long pin plunger, roller and cross roller plunger actuator types
- Lever series models offer lever, hinge lever, and roller level actuator types
- Models with fixing nuts for through panel mounting
- 49mm body width
- Screw terminals for easy connection
- Wide range of operating conditions
- Optional terminal enclosure available
- 25.4mm (1") mounting pattern



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.



High-Precision Positioning Switch
METROL® Metrol

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 14mm body diameters
- 3 or 10mm stroke lengths
- 0.5 micron (μm) repeat accuracy
- N.O. or N.C. contacts (depending on model)
- No movement differential
- No temperature drift
- Stainless steel construction
- IP67 protection rating

High-Precision Positioning Switch
METROL® Metrol

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.

- 5 or 10mm diameter flat head types
- 16 or 18.5mm diameter actuators
- 3 or 5mm stroke length
- 0.5 micron (μm) repeat accuracy
- N.C. contacts
- In 23x38x18mm, 27x38x18mm, or 41x45x25mm housing sizes
- Stainless steel construction
- IP67 protection rating



High-Precision Positioning Switch
METROL® Metrol

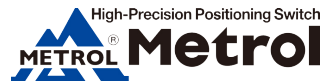
Metrol Precision Touch Limit Switches

Metrol 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)
- 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



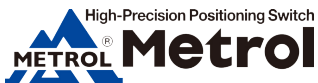
Precision Limit Switches (continued)



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



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

