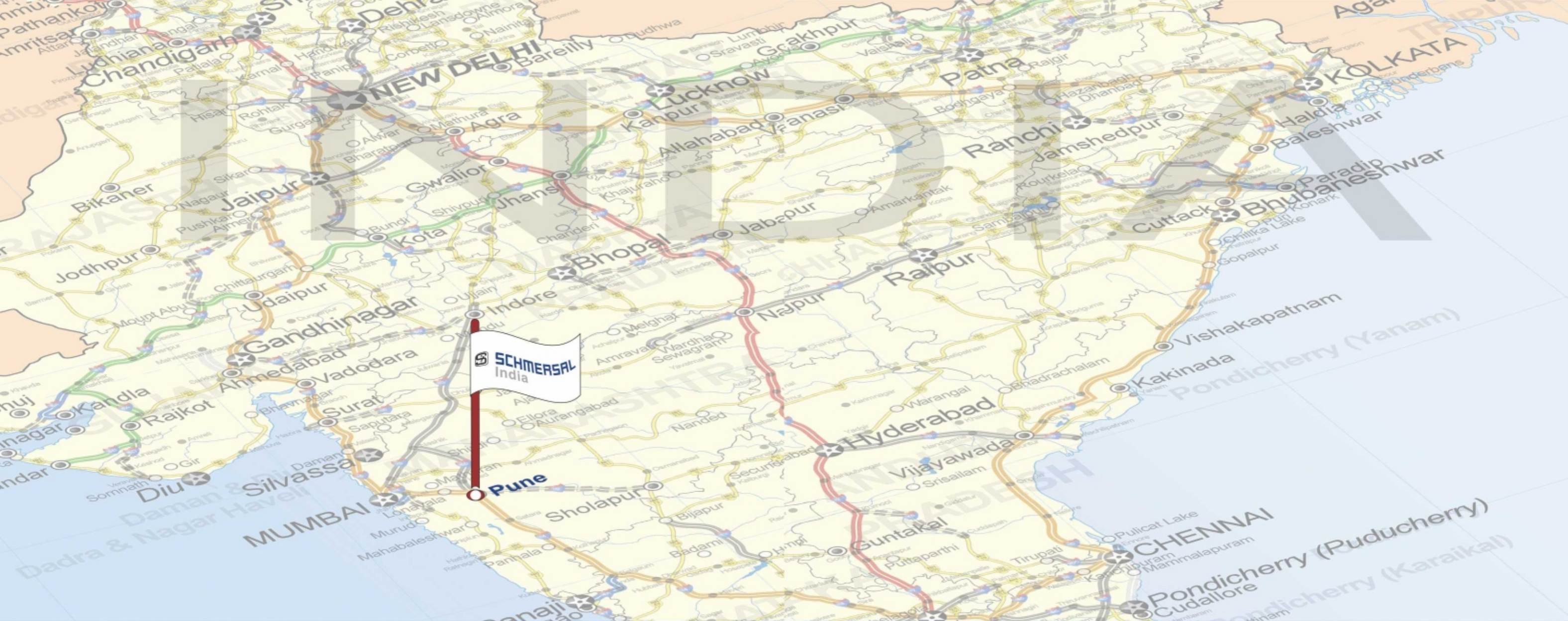


Safety Technology : Protection for Man & Machine

Product Overview





Safety – soon manufactured in India - Pune



Wuppertal - Head office, Germany



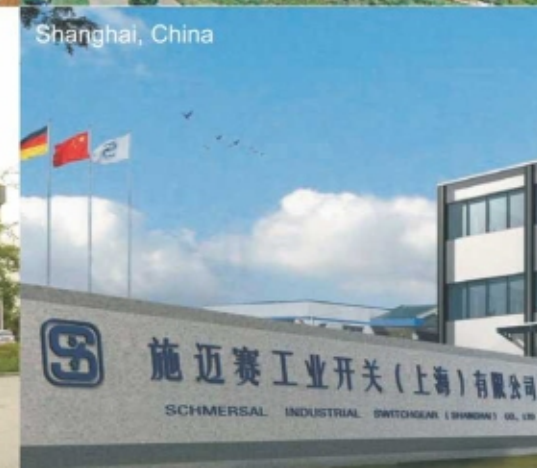
Wittenberg, Germany



Muehlhof, Germany



Boituva, Brazil



Shanghai, China

Schmersal in India

Schmersal India Pvt. Ltd. is a 100% subsidiary of Schmersal Group, Germany. It has offices in major cities supported by a channel network to cover the entire length and breadth of vast India.

Door Switch - AZ Series



1 contact



2/3 contacts



2 contacts



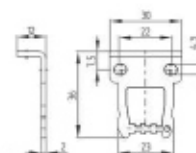
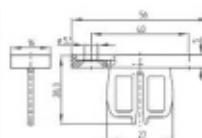
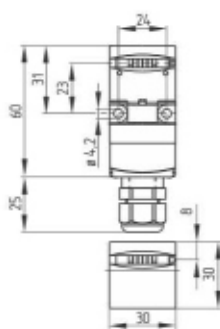
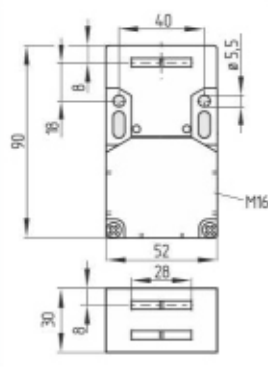
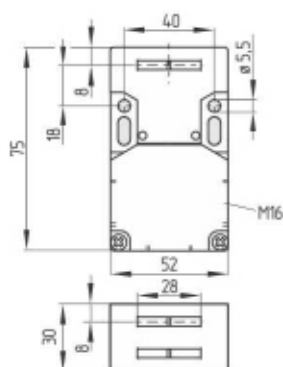
Actuator
(AZ 15/16-B1)



Actuator
(AZ 17-B1)



Angled
actuator
(AZ-17-B5)



- The safety switches are used for applications, in which the hazardous situation is terminated without delay when the safety guard is opened. When the safety guard is opened, the NC contacts are positively opened and the NO contacts are closed.
- Protection class IP 67
- Individual coding available on request to avoid manipulation
- Available upto 6 actuating planes
- B_{10d} Opener (NC) 20,00,000
- Slotted holes for adjustment, circular holes for location



Tamper proof screw
(Protect against unauthorized
removal of actuator)

Part No	Part Reference	Description
101153619	AZ 15 ZVRK-M16	1 NC contact, cable entry M16
101152094	AZ 16 ZVRK-M16	1NO,1NC contact, cable entry M16
101147145	AZ 16-02ZVRK-M16	2NC contact, cable entry M16
101154221	AZ 16-12ZVRK-M16	1NO,2NC contact, cable entry M16
101083036	AZ 15/16-B1	Straight Actuator
101133968	AZ 17-02ZRK	2NC contact, slim body version, IDC method of wiring
101133967	AZ 17-11ZRK	1NO,1NC contact, IDC method of wiring
101122893	AZ 17/170-B1	Straight Actuator
101122895	AZ 17/170-B5	Angled Actuator
101110895	M5 x 12	Tamper proof screw

Solenoid Interlock Switch - AZM Series



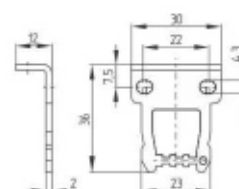
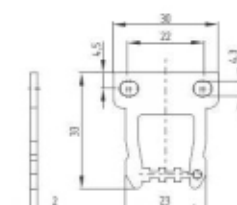
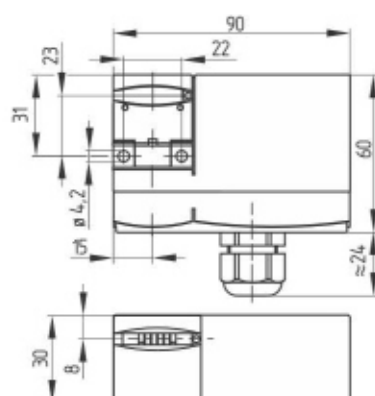
2 contacts / 24V AC/DC



Straight actuator
(AZM 170-B1)

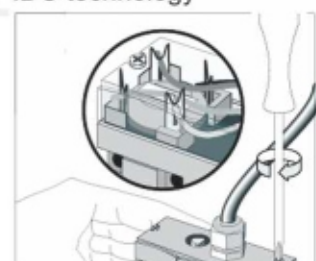


Angled actuator
(AZM 170-B5)



- The solenoid interlock has been designed to prevent movable safety guards in conjunction with the control part of a machine from being opened before hazardous conditions have been eliminated.
- IDC - cut clamp method - for easy wiring
- Compact design
- Protection class IP 67
- B_{10d} Opener (NC) 20,00,000

IDC technology



Part No	Part Reference	Description
101140796	AZM 170-11ZRKA-24VAC/DC	1NO, 1NC contact, power to lock version, cable entry M16
101140788	AZM 170-11ZRK-24VAC/DC	1NO,1NC contact, power to unlock version
101140795	AZM 170-02ZRK-24VAC/DC	2NC contact, power to unlock version
101141020	AZM 170-02ZRKA-24VAC/DC	2NC contact, power to lock version
101122893	AZ 17/170-B1	Straight Actuator
101122895	AZ 17/170-B5	Angled Actuator

Manual Release : A manual release is available as a mounting tool and in the event of a power failure in case the power to unlock principle is used.

 Interlocks with power to lock principle may only be used in special cases after a through evaluation of the risk of accident, since the safety guard can be opened immediately on failure of the power supply or upon activation of the main switch.

Position Switch - 236 (Plastic Housing) Series

236 (Thermoplastic)



2 contacts



Roller lever (7H)



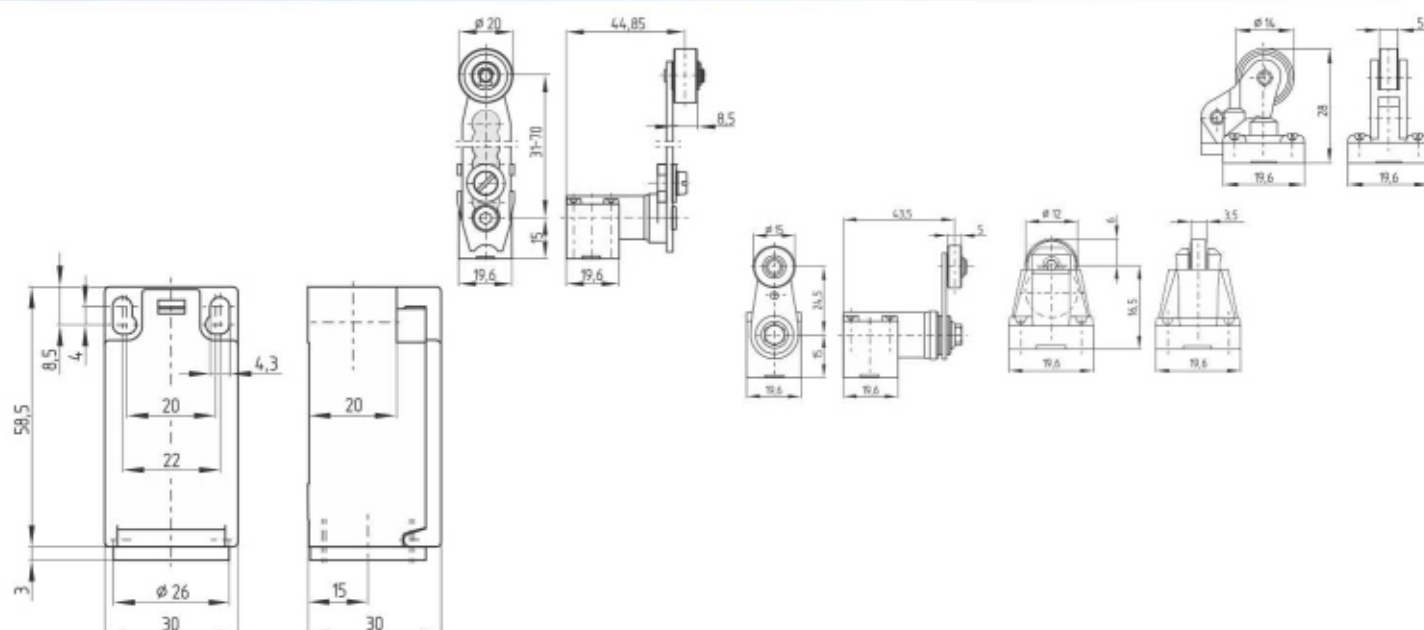
Roller lever (12H)



Roller plunger



Offset roller lever



- The position switches with safety are suitable for sliding and hinged guards, which need to be closed in order to ensure the required operational safety.
- With positive break NC contact for safety application
- Protection class IP 67
- Angle of roller lever adjustable in 10 degree steps
- Good resistance to oil and petroleum spirit



Positive Break-contacts:

These are normally closed contacts which, upon switch actuation, are forced to open by a non-resilient mechanical drive mechanism. By design positive break contacts cannot fail to open.

Part No	Part Reference	Description
101159061	T1R 236-02Z-M20	2NC contact, offset roller lever
101153241	ZR 236-11Z-M20	1NO, 1NC contact, roller plunger
101156131	ZV12H 236-11Z	1NO, 2NC contact, roller lever
101122969	ZV7H 236-11Z-2138	1NO, 1NC contact, roller lever (safety tasks, positive breaking)

Position Switch - 335 (Metal Housing) 336 (Plastic Housing)

335 Metal



2 contacts



Roller lever (7H)



Roller lever (H)

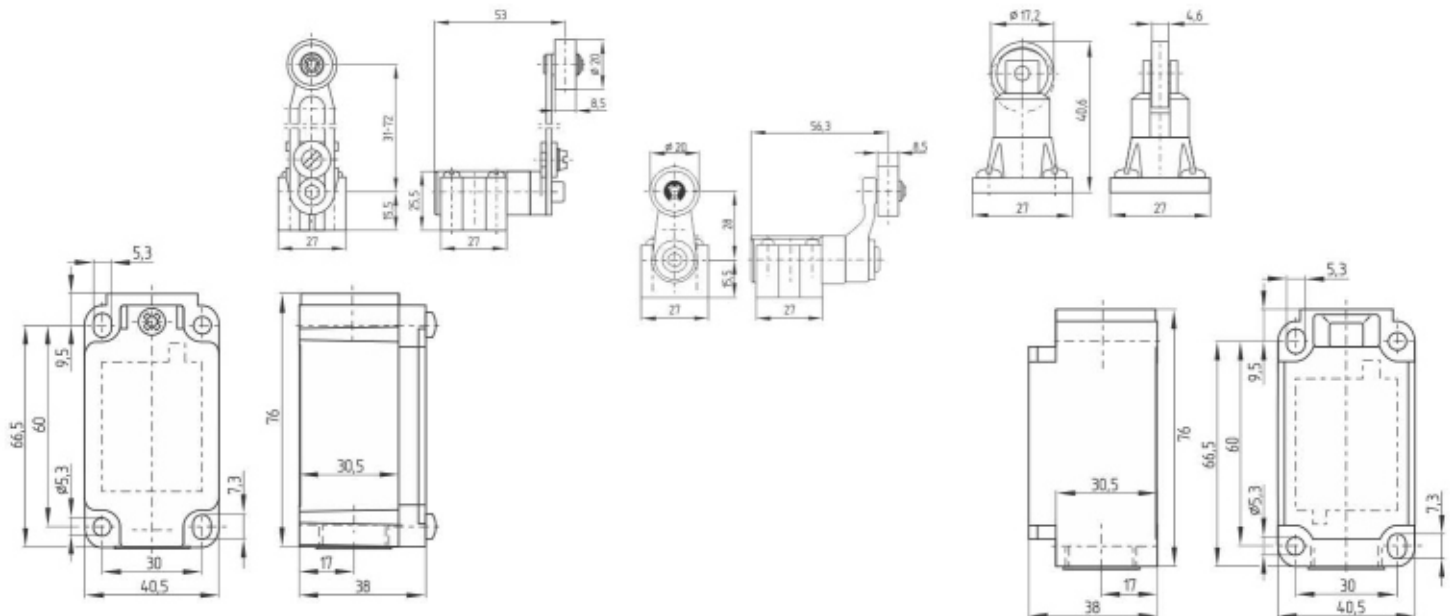


Roller plunger

336 Thermoplastic



2 contacts



- Highest number of operation - 30 million
- Light alloy die-casting paint finish enclosure
- Good resistance to oil and petroleum spirit
- Metal roller available (RMS version)
- Actuator heads can be repositioned by 4 x 90°



Roller lever 7H-2138
used for safety application.

Part No	Part Reference	Description
101161691	Z4V7H 335-11Z-M20	1NO,1NC contact, roller lever
101173807	Z4V7H 335-11Z-M20-RMS	1NO,1NC contact, metal roller lever
101180269	Z4V7H 335-11Z-RMS-2138	1NO,1NC contact, metal roller lever (safety tasks, positive breaking)
101154520	Z4VH 335-11Z-M20	1NO,1NC contact, roller lever
101166367	Z4VH 335-11Z-M20-RMS	1NO,1NC contact, metal roller
101154447	ZR 335-11Z-M20	1NO,1NC contact, roller plunger
101164121	ZR 335-11Z-M20-RMS	1NO,1NC contact, metal roller plunger
101151762	Z4VH 336-11Z-M20	1NO,1NC contact, roller lever
101156860	Z4VH 336-11Z-RMS-M20	1NO,1NC contact, metal roller lever
101156135	ZR 336-11Z-M20	1NO,1NC contact, roller plunger
101165227	ZR 336-11Z-M20-RMS	1NO,1NC contact, metal roller plunger



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