

Small cylinders ISO 6432/CETOP RP 52 P - accessories

Cylinder switches for round cylinders and Mickey-Mouse profiles (TM/TME)

Material: PEI smoke

Connecting line: PVC cable

Protection class: IP 67

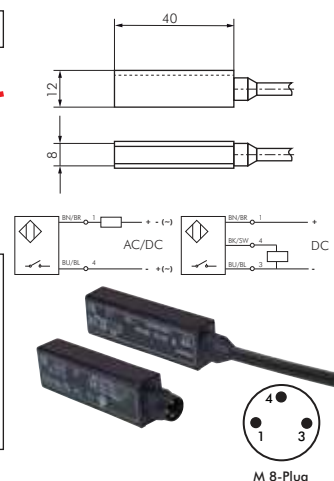
Temperature range: -25°C to max. +75°C

Note: The proximity switch with light emitting diode is used for the contactless position indicator of cylinders with magnetic pistons. The mounting is done by fixing clamps or tension bands, which must be ordered as accessories (see below).

Suitable: For ISO-15552 cylinder model series TM/TME (mounting using fixing clamps), round cylinders model series ZDM/ZDPM (Ø 8 - 25 mm), DSWPVM (Ø 32 - 63 mm) (mounting using tension bands) and other tie rod cylinders (mounting using fixing clamps or tension bands)

Type	Operating voltage	Switching	Max. switching current/performance	Electrical connection
2-wire reed sensor, red LED				
ZSC 12	10-250V AC/DC	NO contact	500 mA/20W	3 m, 2 x 0.25 mm ²
ZSC 12-M8	10-60V AC/10-75V DC	NO contact	500 mA/20W	Cable plug M 8
Fully electronic sensor (reverse polarity protection/short circuit proof), yellow LED				
ZSC 33	10-30V DC	NO contact (PNP)200 mA		3 m, 3 x 0.25 mm ²
ZSC 33-M8	10-30V DC	NO contact (PNP)200 mA		Cable plug M 8

Especially good value!

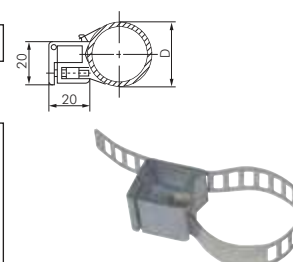


Tension bands for cylinder switch type ZSC 33/ ZSC 12

Materials: Tape: AISI 304, clamping block: Aluminium

Suitable: For mounting cylinder switches type ZSC 33 and ZSC 12 on round cylinders.

Type	Suitable for cylinder Ø	Clamping range (D)
ZSC1 8/25	8 - 25 mm	10 - 30 mm
ZSC1 32/63	32 - 63 mm	30 - 70 mm
ZSC1 80/100	80 - 100 mm	70 - 110 mm
ZSC1 125/200	125 - 200 mm	110 - 230 mm



Electronic cylinder switches for stainless steel cylinders

Materials: PA12 + 30% GF (corrosion and acid resistant)

Connecting line: 2 m PUR/PVC cable, cross section: 3 x 0.25 mm²

Temperature range: -25°C to max. +70°C

Optional: Design as 2-wire NAMUR switch (for use in EX areas)* -NAMUR

Note: The electronic proximity switch with integrated protection circuit and light emitting diode is used for the contactless position indicator of cylinders with magnetic pistons. It is equipped with cycling short-circuit protection and a reverse polarity protection. The mounting is done using ES tension bands, which must be ordered as accessories (see below).

Suitable: For all stainless steel cylinders

Type	Operating voltage	Protection class	Switching	Max. switching current	Overrun speed
ZSE 33	10-30V DC	IP67	NO contact (PNP)	200 mA	Max. 10 m/s

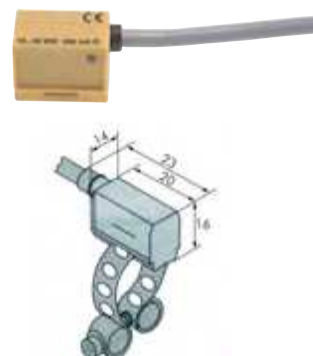
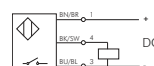
Order example: ZSES **

Standard type

Designation for the options:

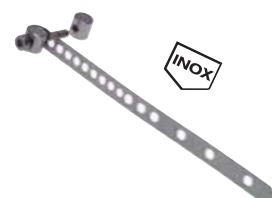
2-wire NAMUR switch
acc. to ATEX* II 2G EEx ia IIC T4 ... T6 ... -NAMUR

* for use in EX areas, the NAMUR switch must be connected to an approved switch isolator.
Please ask us!



Tension bands for electronic cylinder switch type ZSE 33

Type	Used for cylinder Ø	Used for cylinder Ø	Used for cylinder Ø
AISI 304	ISO 6432 (small cylinder)	ISO 15552 (VDMA)	ISO 6431 (standard)
ZSE1 8/25	8 - 25	---	---
ZSE1 32/80	---	32 - 80	32 - 80
ZSE1 80/125	---	80 - 125	80 - 125



Pneumatic cylinder switches for round cylinders

Material: Plastic

Temperature range: -15°C to max. +60°C

Media: Unooled, filtered compressed air

Application: The cylinder switch is a 3/2-way valve controlled via the magnetic piston of a cylinder. It can be used to control pneumatic circuits, where it is very difficult to design and fit a limit switch. In contrast to a pneumatic sensor fitting (Page 431), similar to an electric cylinder switch, a pneumatic cylinder switch allows querying the exact position of the piston and need not be positioned in the end position.

Type	Operating pressure	Nominal width	Hose connection	Type tension band to Ø 100 mm
ZS PNEU	2-6 bar	2 mm	Push in nipple for hose Ø 3 mm (interior)	ZS PNEU SP

