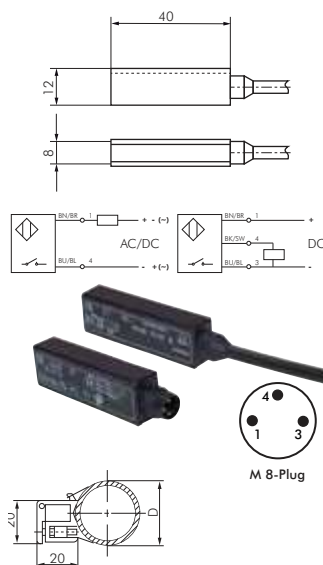


# Round cylinders Ø 32-63 - accessories



## 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)

*Especially good value!*

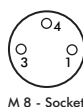
Type	Operating voltage	Switching	Max. switching current/performance	Electrical connection
<b>2-wire reed sensor, red LED</b>				
ZSC 12	10-250V AC/DC	NO contact	500 mA/20W	3 m, 2 x 0.25 mm <sup>2</sup>
ZSC 12-M8	10-60V AC/10-75V DC	NO contact	500 mA/20W	Cable plug M 8
<b>Fully electronic sensor (reverse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

## 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



M 8 - Socket

## Connection lines

## M 8 (3 pin)

**Description:** Pre-fabricated connection lines with 3-pin M8 socket (M8 x1 female thread acc. to DIN EN 61076-2-104) on one side and 3 loose cable ends on the other side.

**Temperature range:** -25°C to max. +90°C

**Voltage:** max. 60V AC/DC, max. 4 A

**Protection class:** IP 67

**Cable:** PUR cable, 3 x 0,34 mm<sup>2</sup>

**Cable layout:** PIN 1 - brown, PIN 3 - blue, PIN 4 - black

**Suitable:** These cables are used preferentially for the connection of cylinder switches, inductive proximity switches or solenoid valves. Warning! They are not compatible with the (e.g. used frequently for light barriers) 4-pin M8 cable connectors.

Type straight	Type angled	Cable length
KAB M8 1 G	KAB M8 1 W	1 mtr.
KAB M8 3 G	KAB M8 3 W	3 mtr.
KAB M8 5 G	KAB M8 5 W	5 mtr.
KAB M8 10 G	KAB M8 10 W	10 mtr.

## Pneumatic cylinder switches for round cylinders

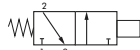
**Material:** Plastic

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

**Media:** Unoilied, 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



**TIP** For testing magnetic coils in operation

## Solenoid testers with clips for magnetic coils

**Suitable:** For functional tests of magnetic coils on valves without putting the machine out of operation. You carry out the test in the centre of the magnetic coil and by lighting the control lamps, the tester shows whether the magnetic coil is working. Also suitable for non-visible permanent magnets (e.g. magnetic pistons). If you fit the magnetic ring on the test tip, the magnetic tester works as a torch. The battery can be replaceable without any problems. The solenoid tester can be used, regardless of the coil voltage.

Type	Length
MAGNETESTER	165 mm

