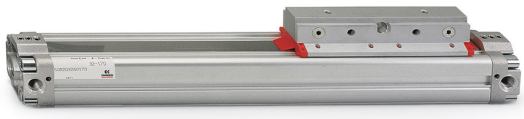
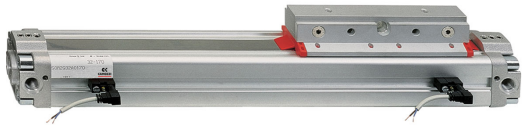
# RODLESS CYLINDERS
## SERIES 50

Double-acting, magnetic, cushioned
ø 16, 25, 32, 40, 50, 63, 80 mm





- Four ports on each chamber
- Possibility to supply both chambers from one side (on request)

Series 50 rodless cylinders are available in 7 different diameters to cover as many applications as possible. A permanent magnet is assembled on the cylinder piston allowing the position to be detected by means of proximity switches positioned on the sliding axis.
This series of cylinder is normally supplied with end-stroke cushioning, that can be regulated by means of a screw located on the end-cover.

The Series 50 cylinders are recommended to be used according to the load values and torque forces detailed in the relative tables.

## GENERAL DATA

| | |
|---|---|
| **Type of construction** | Rodless with integral carriage |
| **Operation** | Double-acting |
| **Materials** | End-covers, piston and barrel = AL<br>seals = PU and NBR |
| **Operating temperature** | 0°C ÷ 50°C(with dry air - 10°C) |
| **Operating pressure** | 1 ÷ 8 bar |
| **Speed** | 10 ÷ 1000 mm/sec (without load) |
| **Fluid** | Clean air, without lubrication. If lubricated air is used, it is recommended to use oil ISOVG32. Once applied the lubrication should never be interrupted. |
| **Strokes min - max** | For all bores 100 ÷ 4000 mm |
| **Stroke tolerance** | Strokes ≤ 1000 mm = 0 / +0,6 mm<br>strokes > 1000 mm = 0 / +3 mm |
| **Type of mounting** | Foot mounted |

RODLESS CYLINDERS
SERIES 50 - CODING EXAMPLE



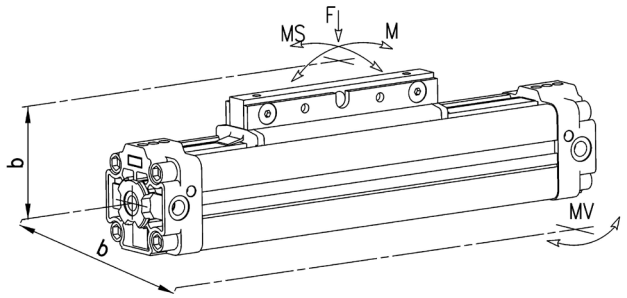
## Coding example

| 50 | M | 2 | P | 50 | A | 0500 |
|---|---|---|---|---|---|---|

| | | |
|---|---|---|
| **50** | SERIES | |
| **M** | VERSION<br>M = standard magnetic | |
| **2** | OPERATION<br>2 = double-acting cushioned | **PNEUMATIC SYMBOL**<br>CDSS (see the following pages) |
| **P** | MATERIALS<br>P = anodized AL profile tube - PU and NBR seals - standard carriage<br>U = anodized AL profile tube - PU and NBR seals - flanged carriage | |
| **50** | BORE<br>16 = 16 mm<br>25 = 25 mm<br>32 = 32 mm<br>40 = 40 mm<br>50 = 50 mm<br>63 = 63 mm<br>80 = 80 mm | |
| **A** | TYPE OF MOUNTING<br>A = standard | |
| **0500** | STROKE (see table) | |

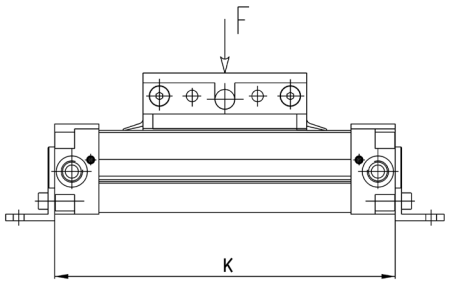
## Maximum permitted loads and torque forces

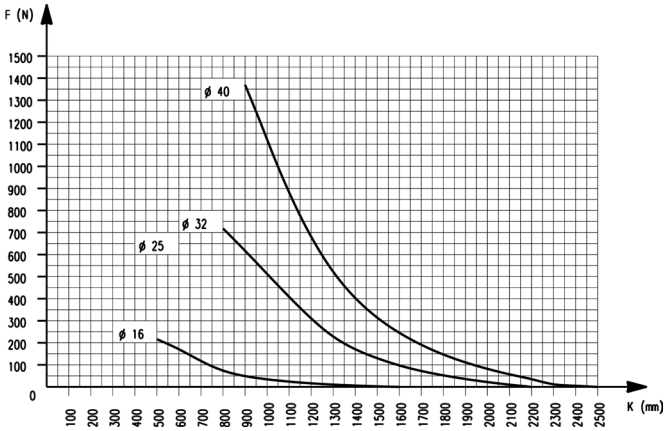
M = F x b
MS = F x b
MV = F x b
Note: Loads and bending torque are valid if applied separately.




| Ø | Max. load permitted (N) F | Max. bending torque force permitted (Nm) M | Max. bending torque force permitted (Nm) Ms | Torsional torque force permitted (Nm) Mv |
|---|---|---|---|---|
| **16** | 218 | 3,1 | 0,5 | 1 |
| **25** | 660 | 12,4 | 1,9 | 5 |
| **32** | 720 | 30 | 4 | 8 |
| **40** | 1370 | 39 | 4 | 9 |
| **50** | 1600 | 122 | 11 | 16 |
| **63** | 2210 | 190 | 19 | 26 |
| **80** | 3770 | 305 | 30 | 47 |

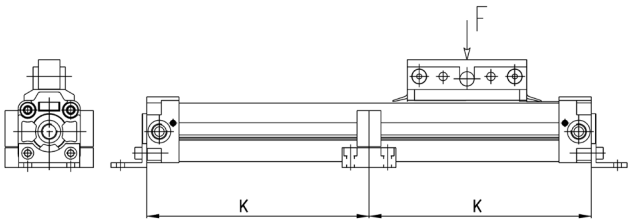
## Loads according to supports distance

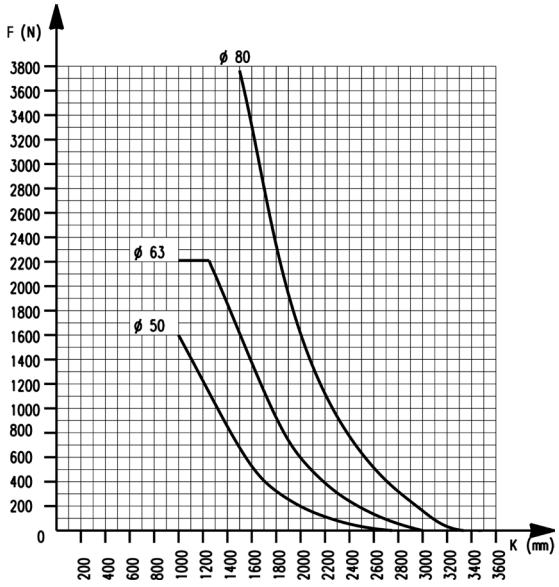



**This chart has been made according to a max. distance of 0.5 mm Load (N).**
**Once the load and the cylinder diameter have been fixed, the chart gives the K values beyond which it is necessary to put an intermediate feet Mod. BH-50.**

## Loads according to supports distance



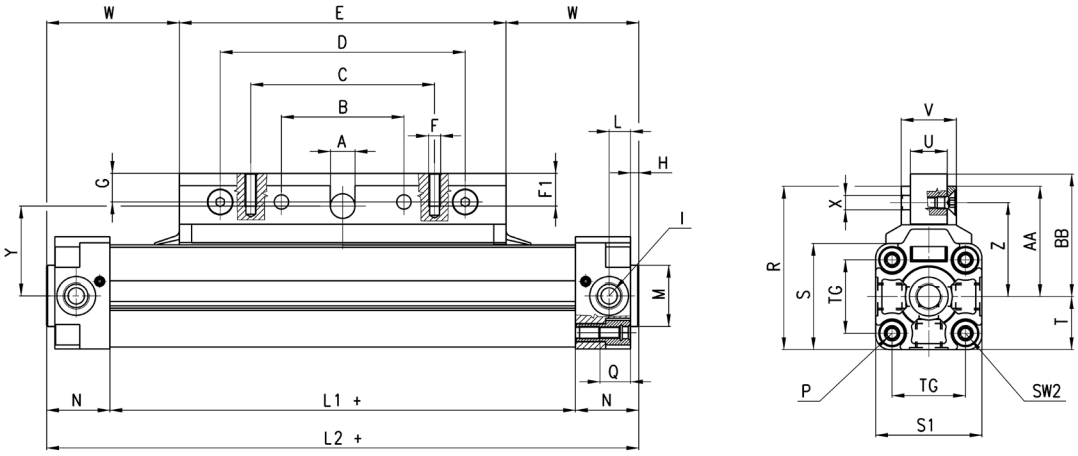

**This chart has been made according to a max. distance of 0.5 mm Load (N).**
**Once the load and the cylinder diameter have been fixed, the chart gives the K values beyond which it is necessary to put an intermediate feet Mod. BH-50.**

RODLESS CYLINDERS
SERIES 50 - DIMENSIONAL CHARACTERISTICS

## Cylinders with standard carriage Mod. 50M2P



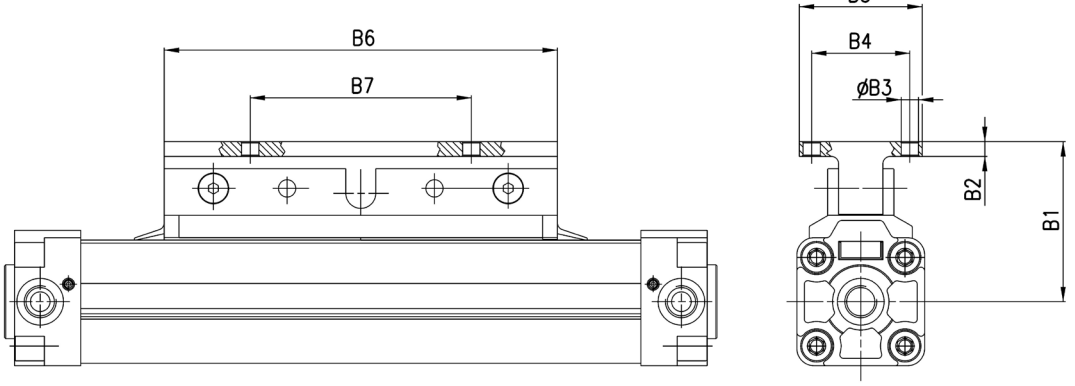
***CDSS***




| Ø | A | B | C | D | E | F | F1 | G | H | I | L | L1+ | L2+ | M | N | P | Q | R | S | S1 | T | U | V | Z | X | Y | W | AA | BB | TG | SW2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **16** | 5 | 32 | 48 | 64 | 76 | M4 | 8 | 6 | 2 | M5 | 5,3 | 100 | 130 | 16 | 15 | M3 | 8 | 42,5 | 28 | 27 | 13,5 | 10 | 18 | 24 | 4,5 | 24,5 | 27 | 29 | 30 | 18 | 4 |
| **25** | 8 | 50 | 80 | 100 | 120 | M5 | 10 | 13 | 2,5 | G1/8 | 9,5 | 150 | 200 | 22 | 25 | M5 | 13,5 | 63 | 40 | 40 | 20 | 15 | 23 | 33 | 5,5 | 38 | 40 | 43 | 46 | 27 | 6 |
| **32** | 12 | 60 | 90 | 120 | 160 | M6 | 15 | 14 | 4 | G1/4 | 10,5 | 188 | 250 | 30 | 31 | M6 | 15 | 80 | 52 | 52 | 26 | 18 | 27 | 46 | 7 | 48,5 | 45 | 54 | 60 | 36 | 6 |
| **40** | 12 | 55 | 90 | 110 | 150 | M6 | 12 | 12 | 4 | G1/4 | 17,5 | 226 | 300 | 35 | 37 | M6 | 15 | 88,5 | 63 | 63 | 31,5 | 18 | 28 | 49 | 7 | 51 | 75 | 57 | 61 | 43 | 6 |
| **50** | 12 | 70 | 110 | 140 | 180 | M6 | 12 | 12 | 4 | G1/4 | 13,5 | 272 | 350 | 40 | 39 | M8 | 16 | 103 | 74,5 | 76 | 38 | 18 | 28 | 57 | 7 | 59 | 85 | 65 | 69 | 53 | 10 |
| **63** | 16 | 90 | 140 | 180 | 220 | M8 | 15 | 15 | 4 | G3/8 | 17,5 | 342 | 430 | 45 | 44 | M8 | 16 | 125 | 92 | 94 | 47 | 19 | 30 | 68 | 9 | 70 | 105 | 78 | 83 | 67 | 10 |
| **80** | 20 | 120 | 180 | 240 | 280 | M10 | 20 | 18 | 4 | G1/2 | 32 | 408 | 520 | 45 | 56 | M10 | 18,5 | 153,5 | 115,5 | 117 | 58,5 | 20 | 32 | 83 | 11 | 86 | 120 | 95 | 101 | 83 | 12 |

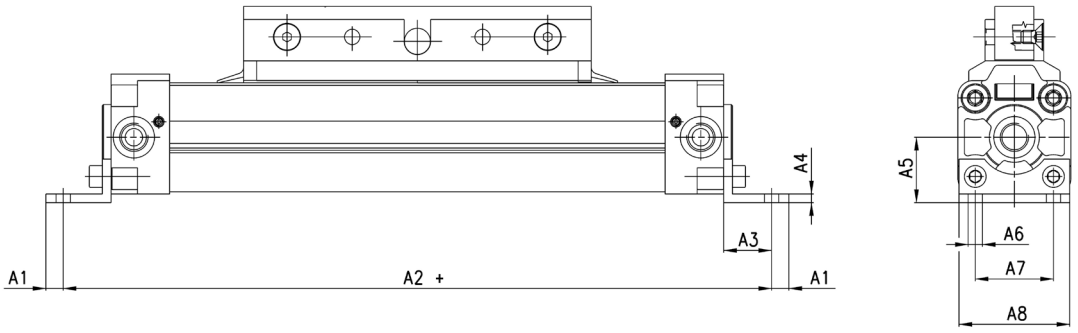
## Cylinders with flanged carriage Mod. 50M2U

*CDSS*




| Ø | B1 | B2 | B3 | B4 | B5 | B6 | B7 |
|---|---|---|---|---|---|---|---|
| **16** | 36 | 4 | 4,5 | 25 | 40 | 76 | 50 |
| **25** | 51 | 5 | 5,5 | 35 | 50 | 120 | 70 |
| **32** | 66 | 6 | 7 | 40 | 50 | 160 | 90 |
| **40** | 66 | 6 | 7 | 45 | 60 | 150 | 80 |
| **50** | 74 | 6 | 7 | 45 | 60 | 180 | 100 |
| **63** | 89 | 7 | 9 | 60 | 80 | 220 | 130 |
| **80** | 108 | 8 | 11 | 75 | 100 | 280 | 180 |

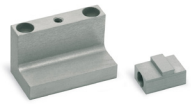
## Foot mount Mod. B

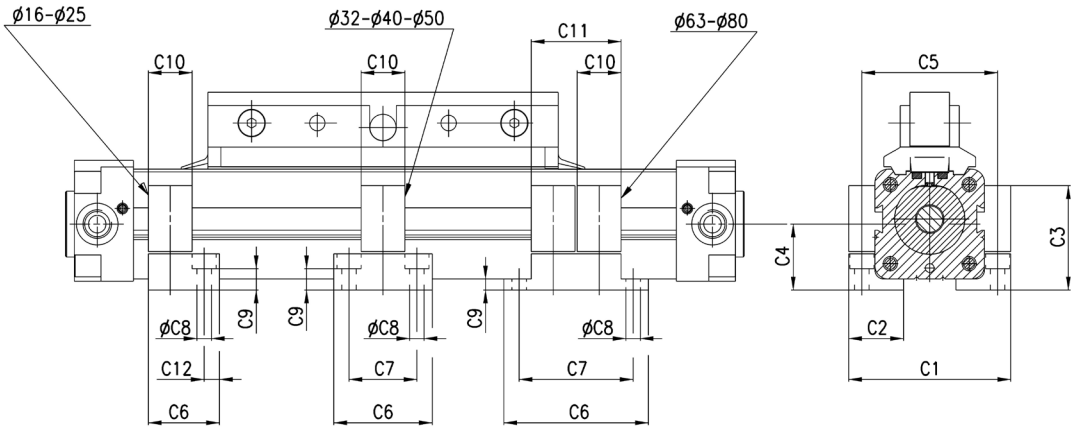



**+ = add the stroke**

| Mod. | A1 | A2+ | A3 | A4 | A5 | A6 | A7 | A8 |
|---|---|---|---|---|---|---|---|---|
| **B-50-16** | 3 | 150 | 12 | 3 | 15 | 3,6 | 18 | 26 |
| **B-50-25** | 6,5 | 232 | 18,5 | 3 | 22 | 5,5 | 27 | 39 |
| **B-50-32** | 8 | 286 | 22 | 4 | 30 | 6,6 | 36 | 51 |
| **B-50-40** | 13,5 | 325 | 16,5 | 4 | 38 | 9 | 30 | 62 |
| **B-50-50** | 13,5 | 375 | 16,5 | 6 | 48 | 9 | 40 | 75 |
| **B-50-63** | 11 | 460 | 19 | 6 | 57 | 11 | 48 | 93 |
| **B-50-80** | 18,5 | 555 | 21,5 | 6 | 72 | 14 | 60 | 116 |

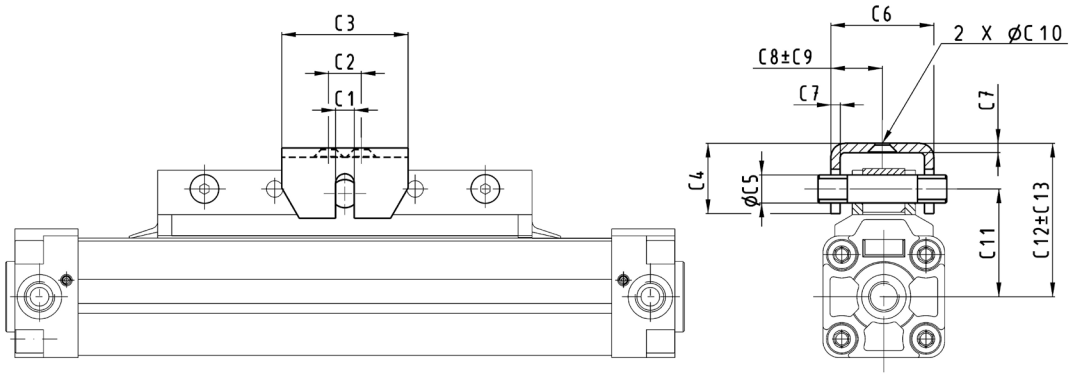
## Brackets Mod. BH-50





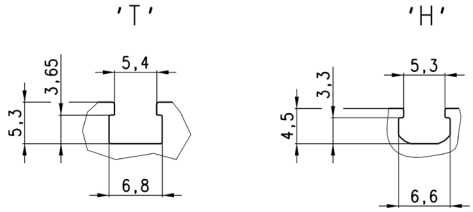

| Mod. | C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **BH-50-16** | 42 | 12 | 25 | 15 | 34 | 20 | - | 3,4 | 4,5 | 12 | - | 4 |
| **BH-50-25** | 56 | 21 | 32,6 | 22 | 47 | 22 | - | 5,5 | 10,1 | 12 | - | 5 |
| **BH-50-32** | 74 | 25 | 47,5 | 30 | 62 | 45 | 31 | 6,6 | 9,7 | 20 | - | - |
| **BH-50-40** | 85 | 35 | 56 | 38 | 73 | 60 | 45 | 6,6 | 18,2 | 20 | - | - |
| **BH-50-50** | 98 | 32 | 67,5 | 48 | 86 | 60 | 45 | 6,6 | 29,7 | 20 | - | - |
| **BH-50-63** | 126 | 50 | 78,5 | 57 | 109 | 74 | 56 | 9 | 11 | 20 | 41 | - |
| **BH-50-80** | 155 | 65 | 96 | 72 | 135 | 80 | 60 | 11 | 14,5 | 20 | 41 | - |

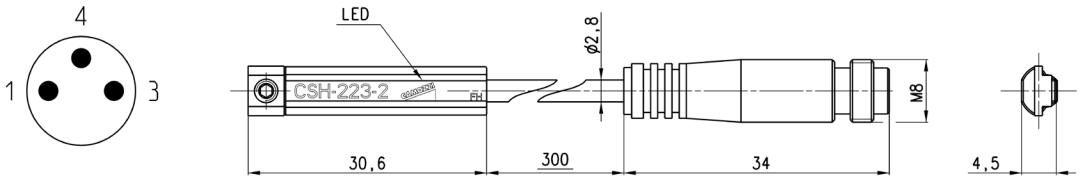
## Self-compensating adaptor Mod. CF




| Mod. | C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **CF-50-25** | 6 | 16 | 40,8 | 22,9 | 7,9 | 31,5 | 3 | 15,8 | 1,2 | 5,6 | 38 | 55,4 | 4,5 |
| **CF-50-32** | 9,3 | 50 | 76,4 | 27,4 | 11,9 | 38,5 | 4 | 19 | 1,7 | 7,1 | 48,5 | 69,4 | 5,5 |
| **CF-50-40** | 9,3 | 50 | 76,4 | 24,4 | 11,9 | 38,5 | 4 | 19 | 1,2 | 7,1 | 51 | 70,9 | 3,5 |
| **CF-50-50** | 9,3 | 80 | 114,6 | 37,1 | 11,9 | 43,9 | 6 | 22 | 1,8 | 8,6 | 59 | 89,2 | 5,9 |
| **CF-50-63** | 12,7 | 100 | 134,6 | 42,2 | 15,9 | 43,9 | 6 | 22 | 0,8 | 8,6 | 70 | 104,7 | 6,5 |
| **CF-50-80** | 12,7 | 125 | 159,5 | 42,2 | 19,9 | 50,3 | 6 | 25,1 | 3 | 11 | 86 | 122,2 | 5 |

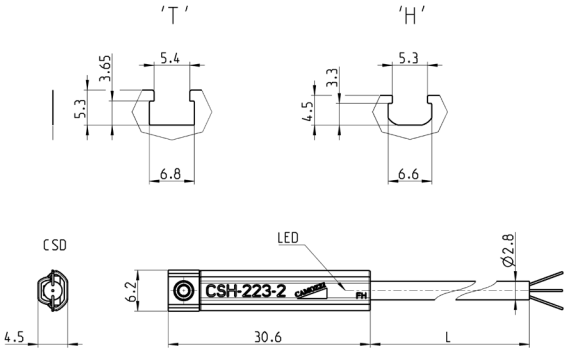
## Magnetic proximity switches wtih M8 3-pin connector for H-slot




| Mod. | Operation | Connection | Voltage | Output | Max. current | Max Load | Protection |
|---|---|---|---|---|---|---|---|
| **CSH-253** | Reed NO | 2 wires M8 male 3 pin | 10 ÷ 30 V AC/DC | - | 250 mA | 10 VA / 8 W | Against polarity reversing |
| **CSH-253EX** | Reed NO | 2 wires M8 male 3 pin | 10 ÷ 30 V AC/DC | - | 250 mA | 10 VA / 8 W | Against polarity reversing |
| **CSH-263** | Reed NO | 3 wires M8 male 3 pin | 10 ÷ 30 V AC/DC | PNP | 250 mA | 10 VA / 8 W | Against polarity reversing |
| **CSH-263EX** | Reed NO | 3 wires M8 male 3 pin | 10 ÷ 30 V AC/DC | PNP | 250 mA | 10 VA / 8 W | Against polarity reversing |
| **CSH-364** | Magnetoresistive | 3 wires M8 male 3 pin | 10 ÷ 27 V DC | PNP | 250 mA | 6 W | Against polarity reversing and overvoltage |
| **CSH-364EX** | Magnetoresistive | 3 wires M8 male 3 pin | 10 ÷ 27 V DC | PNP | 250 mA | 6 W | Against polarity reversing and overvoltage |
| **CSH-463** | Reed NC | 3 wires M8 male 3 pin | 10 ÷ 30 V AC/DC | PNP | 250 mA | 10 VA / 8 W | Against polarity reversing |
| **CSH-463EX** | Reed NC | 3 wires M8 male 3 pin | 10 ÷ 30 V AC/DC | PNP | 250 mA | 10 VA / 8 W | Against polarity reversing |

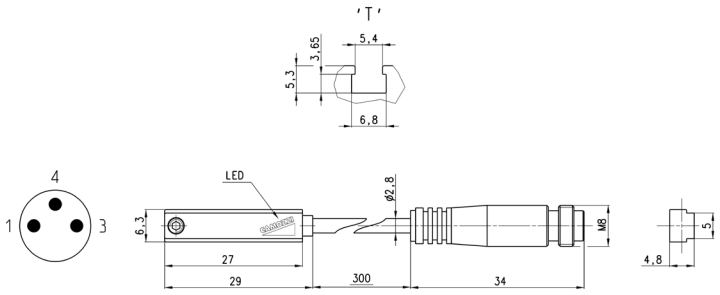
## Magnetic proximity switches with 2 or 3 wire cable for H-slot




| Mod. | Operation | Connection | Voltage | Output | Max. current | Max Load | Protection | L = cable legth |
|---|---|---|---|---|---|---|---|---|
| **CSH-223-2** | Reed | 2 wires | 10 ÷ 30 V AC/DC | - | 250 mA | 10 VA / 8 W | Against polarity reversing | 2 m |
| **CSH-223-5** | Reed | 2 wires | 10 ÷ 30 V AC/DC | - | 250 mA | 10 VA / 8 W | Against polarity reversing | 5 m |
| **CSH-223-10** | Reed | 2 wires | 10 ÷ 30 V AC/DC | - | 250 mA | 10 VA / 8 W | Against polarity reversing and overvoltage | 10 m |
| **CSH-223-2EX** | Reed | 2 wires | 10 ÷ 30 V AC/DC | - | 250 mA | 10 VA / 8 W | Against polarity reversing and overvoltage | 2 m |
| **CSH-223-5EX** | Reed | 2 wires | 10 ÷ 30 V AC/DC | - | 250 mA | 10 VA / 8 W | Against polarity reversing | 5 m |
| **CSH-223-10EX** | Reed | 2 wires | 10 ÷ 30 V AC/DC | - | 250 mA | 10 VA / 8 W | Against polarity reversing | 10 m |
| **CSH-221-2** | Reed | 2 wires | 30 ÷ 230 V AC - 30 ÷ 110 V DC | - | 250 mA | 10 VA / 8 W | Against polarity reversing | 2 m |
| **CSH-221-5** | Reed | 2 wires | 30 ÷ 230 V AC - 30 ÷ 110 V DC | - | 250 mA | 10 VA / 8 W | Against polarity reversing | 5 m |
| **CSH-221-2EX** | Reed | 2 wires | 30 ÷ 230 V AC - 30 ÷ 110 V DC | - | 250 mA | 10 VA / 8 W | Against polarity reversing | 2 m |
| **CSH-221-5EX** | Reed | 2 wires | 30 ÷ 230 V AC - 30 ÷ 110 V DC | - | 250 mA | 10 VA / 8 W | Against polarity reversing | 5 m |
| **CSH-233-2** | Reed | 3 wires | 10 ÷ 30 V AC/DC | PNP | 250 mA | 10 VA / 8 W | Against polarity reversing | 2 m |
| **CSH-233-5** | Reed | 3 wires | 10 ÷ 30 V AC/DC | PNP | 250 mA | 10 VA / 8 W | Against polarity reversing | 5 m |
| **CSH-233-2EX** | Reed | 3 wires | 10 ÷ 30 V AC/DC | PNP | 250 mA | 10 VA / 8 W | Against polarity reversing | 2 m |
| **CSH-233-5EX** | Reed | 3 wires | 10 ÷ 30 V AC/DC | PNP | 250 mA | 10 VA / 8 W | Against polarity reversing | 5 m |
| **CSH-334-2** | Magnetoresistive | 3 wires | 10 ÷ 27 V DC | PNP | 250 mA | 6 W | Against polarity reversing and overvoltage | 2 m |
| **CSH-334-5** | Magnetoresistive | 3 wires | 10 ÷ 27 V DC | PNP | 250 mA | 6 W | Against polarity reversing and overvoltage | 5 m |
| **CSH-334-2EX** | Magnetoresistive | 3 wires | 10 ÷ 27 V DC | PNP | 250 mA | 6 W | Against polarity reversing and overvoltage | 2 m |
| **CSH-334-5EX** | Magnetoresistive | 3 wires | 10 ÷ 27 V DC | PNP | 250 mA | 6 W | Against polarity reversing and overvoltage | 5 m |
| **CSH-433-2** | Reed NC | 3 wires | 10 ÷ 30 V AC/DC | PNP | 250 mA | 10 VA / 8 W | Against polarity reversing and overvoltage | 2 m |
| **CSH-433-5** | Reed | 3 wires | 10 ÷ 30 V AC/DC | PNP-NC | 250 mA | 10 VA / 8 W | Against polarity reversing | 5 m |
| **CSH-433-2EX** | Reed | 3 wires | 10 ÷ 30 V AC/DC | PNP-NC | 250 mA | 10 VA / 8 W | Against polarity reversing | 2 m |
| **CSH-433-5EX** | Reed | 3 wires | 10 ÷ 30 V AC/DC- | PNP-NC | 250 mA | 10 VA / 8 W | Against polarity reversing | 5 m |

Note for 2-wire switches Mod. CSH-223-2, CSH-223-5, CSH-221-2, CSH-221-5:
in case of polarity reversing the sensor will still be operating, but the LED diode won't turn on.

## Magnetic proximity switches with M8 3-pin connector for T-slot

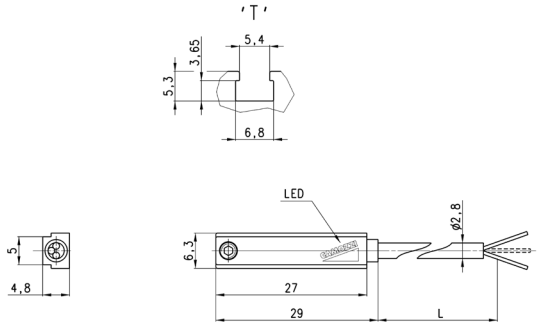



**Cable length: 0,3 m**

| Mod. | Operation | Connection | Voltage | Output | Max. current | Max Load | Protection |
|---|---|---|---|---|---|---|---|
| **CST-250N** | Reed | 2 wires M8 male 3 pin | 10 ÷ 110 V AC/DC | - | 250 mA | 10 VA / 8 W | None |
| **CST-250NEX** | Reed | 2 wires M8 male 3 pin | 10 ÷ 110 V AC/DC | - | 250 mA | 10 VA / 8 W | None |
| **CST-262** | Reed | 3 wires M8 male 3 pin | 5 ÷ 30 V AC/DC | PNP | 250 mA | 10 VA / 8 W | Against polarity reversing |
| **CST-262EX** | Reed | 3 wires M8 male 3 pin | 5 ÷ 30 V AC/DC | PNP | 250 mA | 10 VA / 8 W | Against polarity reversing |
| **CST-362** | Magnetoresistive | 3 wires M8 male 3 pin | 10 ÷ 27 V DC | PNP | 100 mA | 6 W | Against polarity reversing and overvoltage |
| **CST-362EX** | Magnetoresistive | 3 wires M8 male 3 pin | 10 ÷ 27 V DC | PNP | 100 mA | 6 W | Against polarity reversing and overvoltage |
| **CST-562** | Hall effect | 3 wires M8 male 3 pin | 10 ÷ 27 V DC | PNP | 100 mA | 6 W | Against polarity reversing and overvoltage |
| **CST-562EX** | Hall effect | 3 wiresM8 male 3 pin | 10 ÷ 27 V DC | PNP | 100 mA | 6 W | Against polarity reversing and overvoltage |

Note for 2-wire switch Mod. CST-250N:
in case of polarity reversing the sensor will still be operating, but the LED diode won't turn on

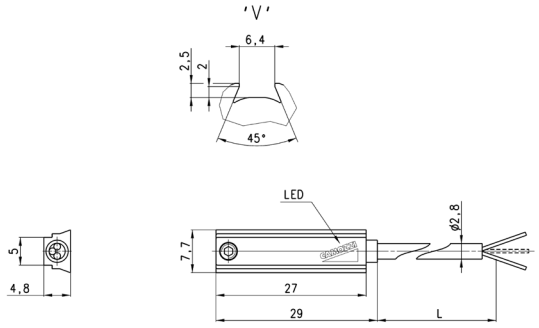
## Magnetic proximity switches with 2- or 3-wire cable for T-slot




| Mod. | Operation | Connections | Voltage | Output | Max. current | Max Load | Protection | L = length cable |
|---|---|---|---|---|---|---|---|---|
| **CST-220** | Reed | 2 wires | 10 ÷ 110 V AC/DC-230 V AC | - | 250 mA | 10 VA / 8W | None | 2 m |
| **CST-220-5** | Reed | 2 wires | 10 ÷ 110 V AC/DC-230 V AC | - | 250 mA | 10 VA / 8 W | None | 5 m |
| **CST-220-12** | Reed | 2 wires | 10 ÷ 110 V AC/DC-230 V AC | - | 250 mA | 10 VA / 8W | None | 12 m |
| **CST-220EX** | Reed | 2 wires | 10 ÷ 110 V AC/DC-230 V AC | - | 250 mA | 10 VA / 8W | None | 2 m |
| **CST-220-5EX** | Reed | 2 wires | 10 ÷ 110 V AC/DC-230 V AC | - | 250 mA | 10 VA / 8W | None | 5 m |
| **CST-220-12EX** | Reed | 2 wires | 10 ÷ 110 V AC/DC-230 V AC | - | 250 mA | 10 VA / 8W | None | 12 m |
| **CST-232** | Reed | 3 wires | 5 ÷ 30 V AC/DC | PNP | 250 mA | 10 VA / 8 W | Against polarity reversing | 2 m |
| **CST-232-5** | Reed | 3 wires | 5 ÷ 30 V AC/DC | PNP | 250 mA | 10 VA / 8 W | Against polarity reversing | 5 m |
| **CST-232EX** | Reed | 3 wires | 5 ÷ 30 V AC/DC | PNP | 250 mA | 10 VA / 8W | Against polarity reversing | 2 m |
| **CST-232-5EX** | Reed | 3 wires | 5 ÷ 30 V AC/DC | PNP | 250 mA | 10 VA / 8W | Against polarity reversing and overvoltage | 5 m |
| **CST-332** | Magnetoresistive | 3 wires | 10 ÷ 27 V DC | PNP | 100 mA | 6 W | Against polarity reversing and overvoltage | 2 m |
| **CST-332-5** | Magnetoresistive | 3 wires | 10 ÷ 27 V DC | PNP | 100 mA | 6 W | Against polarity reversing and overvoltage | 5 m |
| **CST-332EX** | Magnetoresistive | 3 wires | 10 ÷ 27 V DC | PNP | 100 mA | 6 W | Against polarity reversing and overvoltage | 2 m |
| **CST-332-5EX** | Magnetoresistive | 3 wires | 10 ÷ 27 V DC | PNP | 100 mA | 6 W | Against polarity reversing and overvoltage | 5 m |
| **CST-432** | Reed | 3 wires | 5 ÷ 30 V AC/DC | PNP-NC | 250 mA | 10 VA / 8 W | Against polarity reversing | 2 m |
| **CST-432-5** | Reed | 3 wires | 5 ÷ 30 V AC/DC | PNP-NC | 250 mA | 10 VA / 8 W | Against polarity reversing | 5 m |
| **CST-432EX** | Reed | 3 wires | 5 ÷ 30 V AC/DC | PNP-NC | 250 mA | 10 VA / 8 W | Against polarity reversing | 2 m |
| **CST-432-5EX** | Reed | 3 wires | 5 ÷ 30 V AC/DC | PNP-NC | 250 mA | 10 VA / 8 W | Against polarity reversing | 5 m |
| **CST-532** | Hall effect | 3 wires | 10 ÷ 27 V DC | PNP | 100 mA | 6 W | Against polarity reversing and overvoltage | 2 m |
| **CST-532-5** | Hall effect | 3 wires | 10 ÷ 27 V DC | PNP | 100 mA | 6 W | Against polarity reversing and overvoltage | 5 m |
| **CST-532EX** | Hall effect | 3 wires | 10 ÷ 27 V DC | PNP | 100 mA | 6 W | Against polarity reversing and overvoltage | 2 m |
| **CST-532-5EX** | Hall effect | 3 wires | 10 ÷ 27 V DC | PNP | 100 mA | 6 W | Against polarity reversing and overvoltage | 5 m |

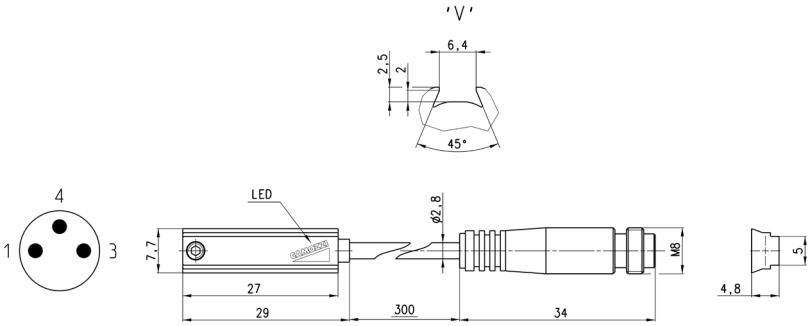
Note for 2-wire switches Mod. CST-220, CST-220-5:
in case of polarity reversing the sensor will still be operating, but the LED diode won't turn on.

## Magnetic proximity switches with 2- or 3-wire cable for V-slot




| Mod. | Operation | Connections | Voltage | Output | Max. current | Max Load | Protection | L = length cable |
|---|---|---|---|---|---|---|---|---|
| **CSV-220** | Reed | 2 wires | 10 ÷ 110 V AC/DC-230 V AC | - | 250 mA | 10 VA / 8 W | None | 2 m |
| **CSV-232** | Reed | 3 wires | 5 ÷ 30 V AC/DC | PNP | 250 mA | 10 VA / 8W | Against polarity reversing | 2 m |
| **CSV-332** | Magnetoresistive | 3 wires | 10 ÷ 27 V DC | PNP | 100 mA | 6 W | Against polarity reversing and overvoltage | 2 m |

## Magnetic proximity switches with M8 3-pin connector for V-slot

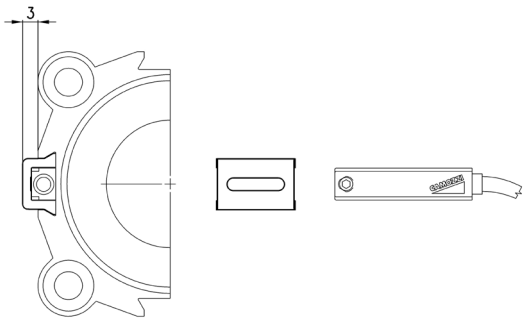



**Cable length: 0.3 m**

| Mod. | Operation | Connection | Voltage | Output | Max. current | Max Load | Protection |
|---|---|---|---|---|---|---|---|
| **CSV-250N** | Reed | 2 wires M8 male 3 pin | 10 ÷ 110 V AC/DC | - | 250 mA | 10 VA / 8 W | None |
| **CSV-262** | Reed | 3 wires M8 male 3 pin | 5 ÷ 30 V AC/DC | PNP | 250 mA | 10 VA / 8 W | Against polarity reversing |
| **CSV-362** | Magnetoresistive | 3 wires M8 male 3 pin | 10 ÷ 27 V DC | PNP | 100 mA | 6 W | Against polarity reversing and overvoltage |

Note for 2-wire switch Mod. CSV-250N:
in case of polarity reversing the sensor will still be operating, but the LED diode won't turn on.

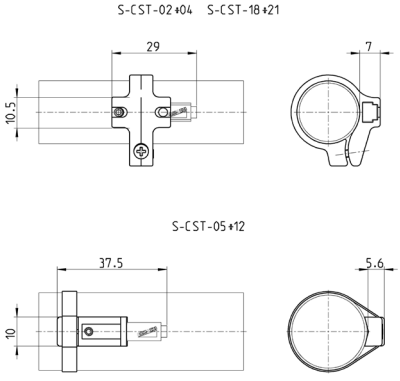
## Adapters for Series CST-CSH-CSG sensors, V-slot




| Mod. | Series QP-QPR cylinders | Series 50 cylinders |
|---|---|---|
| **S-CST-01** | Ø 20 ÷ 100 | Ø 32 ÷ 80 |

## Adapters for Series CST-CSH-CSG sensors

**Materials:**
technopolymer
(S-CST-02÷04)




| Mod. | Cylinders Series | Ø |
|---|---|---|
| **S-CST-01** | 23, 24, 25, 27 | 32, 40, 50, 63, 80 |