



Sensor de segurança magnético 120VA

O sensor de segurança magnético 120VA possui carcaça cilíndrica M18 em aço inox. Graças à seu design higiênico, que evita o acúmulo de resíduos no sensor e atuador, o sensor de segurança magnético 120VA é muito aplicado na indústria de alimentos e embalagens.

Especificação Técnica

- Classe de proteção IP6K9K, ideal para máquinas que exigem aplicação de jatos d'água
- Tipos de conexões disponíveis: cabo ou conector M12
- Largas distâncias de comutação disponíveis

Desenho técnico

IMAGE 1/3

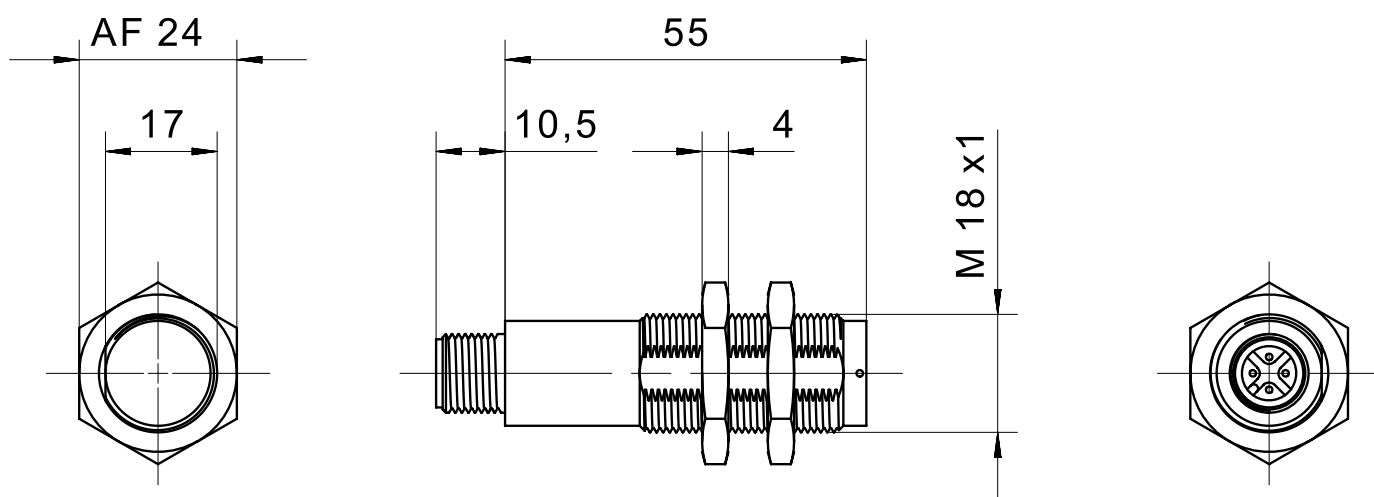
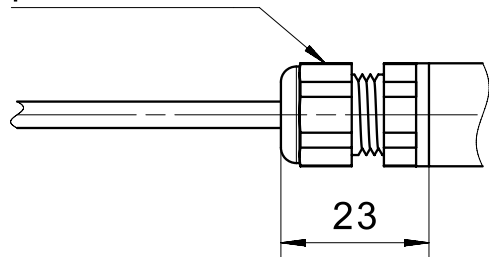
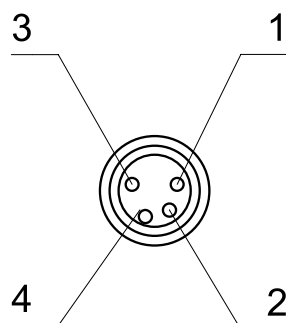


IMAGE 2/3

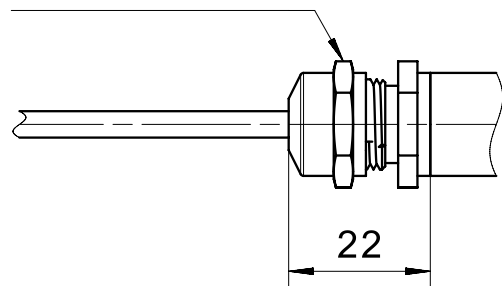
cable gland
plastic



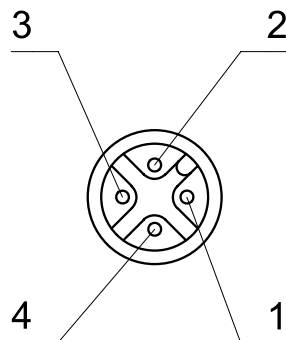
male M8



cable gland
stainless steel



male M12



pigtail M8
cable gland
nickel-plated brass

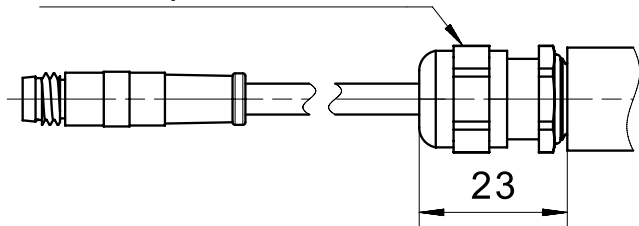
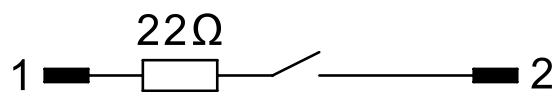
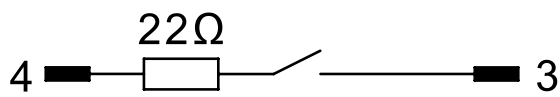
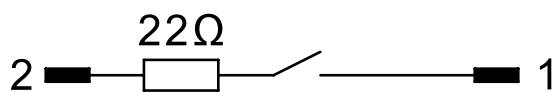


IMAGE 3/3

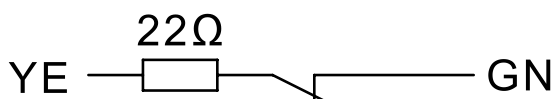
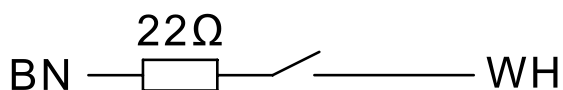
120272V01, 120272VY01



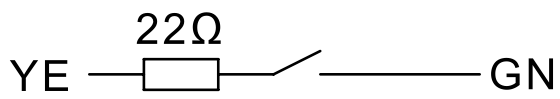
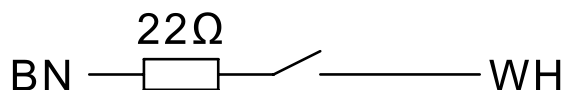
120V62VY01



120272V, 120272W
120271V, 120272W



120V62V, 120V62W



Product options

IMAGE 1/3



Suitable for front actuation. Assured switching distance (Sao) of up to 13 mm with standard actuators, up to 7 mm with extended-range actuators. Assured switch-off distance (Sar) of up to 35 mm with standard actuators, up to 23 mm with extended-range actuators.

IMAGE 2/3

ORDERING KEY

| | 120V62V | 120V62VY01 | 120V62W | 120272V | 120272VY01 |
|--|---------|------------|---------|---------|------------|
| Stainless steel housing M18 | X | X | X | X | X |
| Plastic cable gland | | - | - | X | - |
| Nickel-plated brass cable gland | | - | | - | - |
| Stainless steel cable gland | | - | X | - | - |
| M8x1 pigtail and connector, 4-pin | | - | - | - | - |
| M12x1 housing connector, 4-pin | | X | - | - | X |
| Connection cable 1m* | | - | X | X | - |
| N.O./N.O. contacts | | X | X | - | - |
| N.O./N.C. contacts | | - | - | X | X |
| Coded | | X | X | X | X |
| Uncoded | | - | - | - | - |

| | 120272V01 | 120272W | 120271V | 120271W | |
|--|-----------|---------|---------|---------|--|
| Stainless steel housing M18 | X | X | X | X | |
| Plastic cable gland | - | - | X | - | |
| Nickel-plated brass cable gland | X | - | - | - | |
| Stainless steel cable gland | - | X | - | X | |
| M8x1 pigtail and connector, 4-pin | X | - | - | - | |
| M12x1 housing connector, 4-pin | - | - | - | - | |
| Connection cable 1m* | - | X | X | X | |
| N.O./N.O. contacts | - | - | - | - | |
| N.O./N.C. contacts | X | X | X | X | |
| Coded | X | X | - | - | |
| Uncoded | - | - | X | X | |

* Other cable lengths, cable materials and connector types on request

IMAGE 3/3

MATCHING ACTUATORS

| Actuators | Actuation direction | 120V62V | | | 120V62VY01 | | | 120V62W | | | 120272V | | | 120272VY01 | | |
|----------------------|---------------------|--------------------|-----------------|-----------------|--------------------|-----------------|-----------------|--------------------|-----------------|-----------------|--------------------|-----------------|-----------------|--------------------|-----------------|-----------------|
| | | S _{0_min} | S _{ao} | S _{ar} | S _{0_min} | S _{ao} | S _{ar} | S _{0_min} | S _{ao} | S _{ar} | S _{0_min} | S _{ao} | S _{ar} | S _{0_min} | S _{ao} | S _{ar} |
| 304 200 00 | Front | 0.5 | 4 | 18 | 0.5 | 4 | 18 | 0.5 | 4 | 18 | 0.5 | 4 | 18 | 0.5 | 4 | 18 |
| 304 200 00 V | | 0.5 | 4 | 18 | 0.5 | 4 | 18 | 0.5 | 4 | 18 | 0.5 | 4 | 18 | 0.5 | 4 | 18 |
| 304 200 00 H | | 0.5 | 4 | 18 | 0.5 | 4 | 18 | 0.5 | 4 | 18 | 0.5 | 4 | 18 | 0.5 | 4 | 18 |
| 304 200 00 S | | 3 | 7 | 20 | 3 | 7 | 20 | 3 | 7 | 20 | 3 | 7 | 20 | 3 | 7 | 20 |
| 304 200 00 VS | | 3 | 7 | 20 | 3 | 7 | 20 | 3 | 7 | 20 | 3 | 7 | 20 | 3 | 7 | 20 |
| 304 200 00 SH | | 3 | 7 | 20 | 3 | 7 | 20 | 3 | 7 | 20 | 3 | 7 | 20 | 3 | 7 | 20 |
| 300 785 | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 300 785 V | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 300 785 VH | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

| Actuators | Actuation direction | 120V62V | | | 120V62VY01 | | | 120V62W | | | 120272V | | | | | |
|----------------------|---------------------|--------------------|-----------------|-----------------|--------------------|-----------------|-----------------|--------------------|-----------------|-----------------|--------------------|-----------------|-----------------|--|--|--|
| | | S _{0_min} | S _{ao} | S _{ar} | S _{0_min} | S _{ao} | S _{ar} | S _{0_min} | S _{ao} | S _{ar} | S _{0_min} | S _{ao} | S _{ar} | | | |
| 304 200 00 | Front | 0.5 | 4 | 18 | 0.5 | 4 | 18 | - | - | - | - | - | - | | | |
| 304 200 00 V | | 0.5 | 4 | 18 | 0.5 | 4 | 18 | - | - | - | - | - | - | | | |
| 304 200 00 H | | 0.5 | 4 | 18 | 0.5 | 4 | 18 | - | - | - | - | - | - | | | |
| 304 200 00 S | | 3 | 7 | 20 | 3 | 7 | 20 | - | - | - | - | - | - | | | |
| 304 200 00 VS | | 3 | 7 | 20 | 3 | 7 | 20 | - | - | - | - | - | - | | | |
| 304 200 00 SH | | 3 | 7 | 20 | 3 | 7 | 20 | - | - | - | - | - | - | | | |
| 300 785 | | - | - | - | - | - | - | 0.5 | 13 | 35 | 0.5 | 13 | 35 | | | |
| 300 785 V | | - | - | - | - | - | - | 0.5 | 13 | 35 | 0.5 | 13 | 35 | | | |
| 300 785 VH | | - | - | - | - | - | - | 0.5 | 13 | 35 | 0.5 | 13 | 35 | | | |

S_{0_min} = minimum switching distance (mm), S_{ao} = operating distance (mm), S_{ar} = assured switch-off distance (mm)

Características do artigo

| Attribute | 120V62VY01 | 120272VY01 |
|-------------------------------------|--|-------------|
| Min. switching voltage | 19.2 V DC | |
| Max. switching voltage | 28.8 V DC | |
| Max. switching current | 0.1 A | |
| Max. switching power | 3 W | |
| Switching frequency | 5 Hz | |
| Assured switching distance (Sao) | 4 mm | |
| Assured switch-off distance (Sar) | 18 mm | 22 mm |
| Minimum switching distance (S0 min) | 0.5 mm | |
| LED display | No | |
| Actuation | front | |
| Switching principle | magnetic | |
| Series resistor | 22 Ohm | |
| Technology | Reed | |
| Contact form | NO/NO | NO/NC |
| Pollution degree | 3 | |
| Protection class | III | |
| Coding acc. to EN ISO 14119 | Low | |
| B10d acc. to EN ISO 13849-1 | 20000000 | |
| Type acc. to EN ISO 14119 | 4 | |
| Mission time in years | 20 a | |
| Structure acc. to EN ISO 13849-1 | Two-channel | |
| Housing design | cylindrical | |
| Dimensions | M18 x 55mm | M18 x 55 mm |
| cannot be mounted flush | yes | |
| Detent present | no | |
| Housing material | Edelstahl | |
| Nut material | Edelstahl | |
| Housing colour | silber | |
| Protection class | IP69K DIN 40050-9 - IP68 1bar DIN EN 60529 | |
| Protection class, connector | IP67 DIN EN 60529 | |
| Operating temperature min. | -25 °C | |

Características do artigo

| Attribute | 120V62VY01 | 120272VY01 |
|-----------------------------|-----------------|----------------|
| Max. operating temperature | 75 °C | |
| Shock resistance (Norm) | 30g / 11ms | |
| Vibration resistance (Norm) | 10 - 55Hz | |
| Min. storage temperature | -25 °C | |
| Max. storage temperature | 75 °C | |
| Mounting type | Fastening nut | |
| Thread | M18 | |
| Connector type | M12x1 - 4 polig | M8x1 - 4 polig |
| CE label | yes | |
| Possible actuators | 30420000 | |