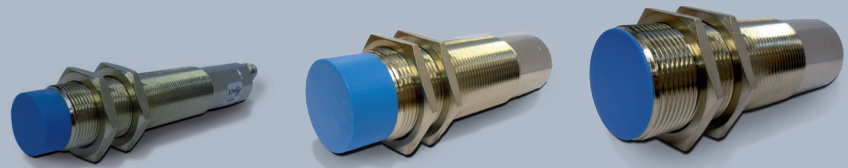
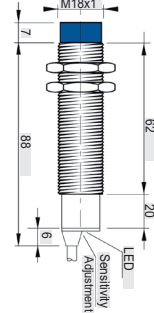
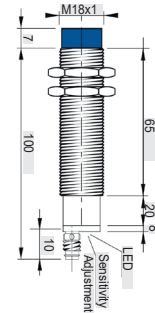
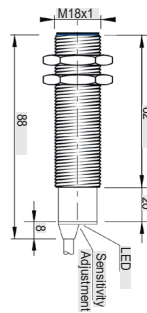
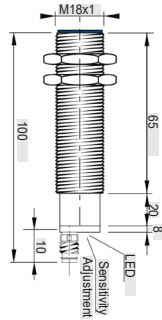
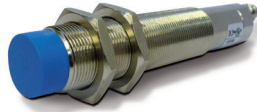


CAPACITIVE

BASIC, CAPACITIVE A.C., MULTIVOLTAGE



CAPACITIVE BASIC M18

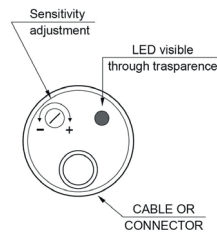


STANDARD

| | | | | FLUSH | | NON FLUSH | |
|-----------------------------------|-------------------|-----------|-----------|---------------------|-------------------|---------------------|-------------------|
| | | | | M8 conn | cable | M8 conn | cable |
| NOMINAL SWITCHING DISTANCE | | | | 1...5 mm | 1...5 mm | 1...10 mm | 1...10 mm |
| 10-30 Vdc | PNP/NPN NO-NC | 4 wires | order No. | --- | --- | --- | --- |
| 10-30 Vdc | PNP NO | 3 wires | order No. | --- | --- | --- | --- |
| 10-30 Vdc | PNP NC | 3 wires | order No. | --- | --- | --- | --- |
| 10-30 Vdc | NPN NO | 3 wires | order No. | --- | --- | --- | --- |
| 10-30 Vdc | NPN NC | 3 wires | order No. | --- | --- | --- | --- |
| 10-30 Vdc | PNP NO-NC | 4 wires | order No. | CS08K2 958901040 | CS08 958901020 | CS14K2 958901270 | CS14 958901120 |
| 10-30 Vdc | NPN NO-NC | 4 wires | order No. | CS07K2 958901000 | CS07 958901160 | CS13K2 958901250 | CS13 958901100 |
| 10-30 Vdc | NO-NC | 2 wires | order No. | --- | --- | --- | --- |
| 20-250 Vac/Vdc | NO | 2 wires | order No. | --- | --- | --- | --- |
| 20-250 Vac/Vdc | NC | 2 wires | order No. | --- | --- | --- | --- |
| 20-250 Vac | NO | 2/3 wires | order No. | --- | --- | --- | --- |
| 10-30 Vdc | Analog 0-20 mA | 3 wires | order No. | --- | --- | --- | --- |
| NAMUR amplifier | NAMUR | 2 wires | order No. | --- | --- | --- | --- |

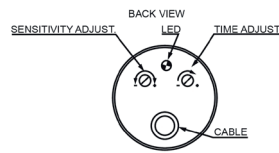
| | | | | |
|----------------------------------|--|--|--|--|
| Nominal Voltage | 12-30Vdc(-15/10%) | 12-30Vdc(-15/10%) | 12-30Vdc(-15/10%) | 12-30Vdc(-15/10%) |
| Residual Ripple | <10% | <10% | <10% | <10% |
| Hysteresis | depends on the sensing distance | depends on the sensing distance | depends on the sensing distance | depends on the sensing distance |
| Max. Output Current | 200 mA | 200 mA | 200 mA | 200 mA |
| Residual Current | < 10 mA | < 10 mA | < 10 mA | < 10 mA |
| Voltage Drop | < 1,8 V (I=100 mA) | < 1,8 V (I=100 mA) | < 1,8 V (I=100 mA) | < 1,8 V (I=100 mA) |
| Setting | sensitivity adjustment trimmer | sensitivity adjustment trimmer | sensitivity adjustment trimmer | sensitivity adjustment trimmer |
| Operation Led | Yellow | Yellow | Yellow | Yellow |
| Switching Frequency | 10 Hz | 10 Hz | 10 Hz | 10 Hz |
| Start Up Delay | < 100 ms | < 100 ms | < 100 ms | < 100 ms |
| Repeatability | ≤ 5% | ≤ 5% | ≤ 5% | ≤ 5% |
| Short Circuit Protection | Present(self-resetting) | Present(self-resetting) | Present(self-resetting) | Present(self-resetting) |
| Electric Protections | Against polarity reversal inductive loads | Against polarity reversal inductive loads | Against polarity reversal inductive loads | Against polarity reversal inductive loads |
| Temperature Limits | - 25 +70 C | - 25 +70 C | - 25 +70 C | - 25 +70 C |
| Protection Degree | IP67 | IP67 | IP67 | IP67 |
| Cable Length | --- | 2 m | --- | 2 m |
| Cable Section | --- | 4x 0,25 mm ² | --- | 4x 0,25 mm ² |
| Housing Material | Nickel-plated brass | Nickel-plated brass | Nickel-plated brass | Nickel-plated brass |
| Weight - Cable Output | --- | 160 g | --- | 160 g |
| Weight - Connector Output | 120 g | --- | 120 g | --- |

CAPACITIVE SETTINGS & CONNECTIONS



Sensitivity adjustment

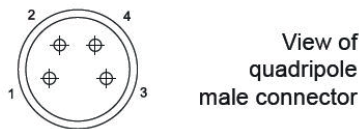
The sensitivity adjustment must be done when the sensor is installed in a definite and steady position. The regulation must be done in a position half way between minimum and maximum, because, being air dielectric, a strong humidity variation could cause, if the regulation is very light, nuisance tripping. The sensing distance of the sensor depends on the materials to detect, on its dimension and conductivity. The distance could change according to temperature variations.



Timer adjustment

The timer trimmer allows to set a delay, on the activation (delay ON) or in the de-activation of the output, depends on the model, after the detection of the object. The output will remain active (or inactive) proportionally to the setting point of the screw, starting from 1 second up to 5 minutes.

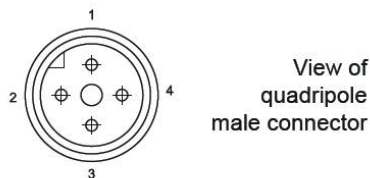
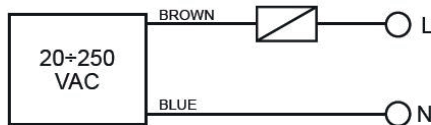
M8 4-pole NO-NC models



CONTACTS CONFIGURATION

| Output | Contacts numbers | | | |
|------------------|------------------|----|---|----|
| | 1 | 2 | 3 | 4 |
| NPN/PNP NO+NC | + | NC | - | NO |

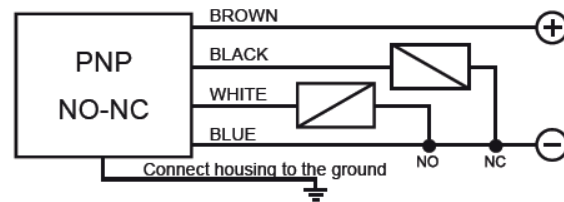
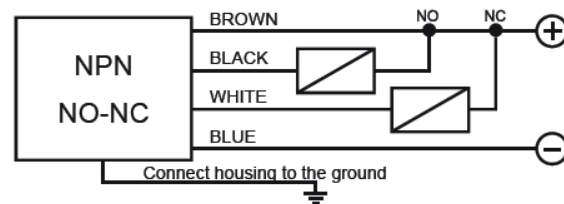
2 wires Vac models



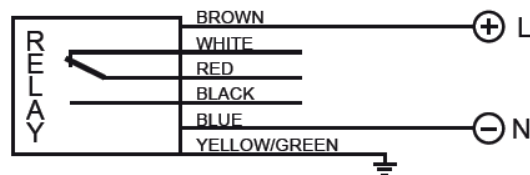
CONTACTS CONFIGURATION

| Available | Contacts numbers | | | |
|-----------|------------------|---|---|---|
| | 1 | 2 | 3 | 4 |
| NO | L | | N | |

4 wires NO-NC Vdc model



6 wires Multivoltage models





Rev. 13, 12/2020

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