## INDUICTIVEAC M12



STANDARD VAC

## FLUSH

M12 conn
cable
NOMINAL SWITCHING DISTANCE

| 10-30 Vdc | PNP/NPN <br> NO-NC | 4 wires | order No. |
| :---: | :---: | :---: | :---: |
| 10-30 Vdc | $\begin{aligned} & \text { PNP } \\ & \text { NO } \end{aligned}$ | 3 wires | order No. |
| 10-30 Vdc | $\begin{aligned} & \text { PNP } \\ & \text { NC } \end{aligned}$ | 3 wires | order No. |
| 10-30 Vdc | $\begin{aligned} & \text { NPN } \\ & \text { NO } \end{aligned}$ | 3 wires | order No. |
| 10-30 Vdc | NPN NC | 3 wires | order No. |
| 10-30 Vdc | $\begin{aligned} & \text { PNP } \\ & \text { NO-NC } \end{aligned}$ | 4 wires | order No. |
| 10-30 Vdc | $\begin{aligned} & \text { NPN } \\ & \text { NO-NC } \end{aligned}$ | 4 wires | order No. |
| 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 | 2/3wires | order No. |
| 10-30 Vdc | Analog 0-20 mA | 3 wires | order No. |
| NAMUR amplifier | NAMUR | 2 wires | order No. |


| 2 mm | 2 mm |
| :---: | :---: |
| --- | --- |
| --- | --- |
| --- | --- |
| --- | --- |
| --- | --- |
| --- | --- |
| --- | --- |
| --- | --- |
| --- | --- |
| --- | --- |
| --- | --- |
| --- | --- |
| --- | --- |
| --- | --- |
| --- | --- |
| --- | --- |
| --- | --- |
| --- | --- |
| --- | --- |
| --- | --- |
| IS-12-A15-S2 | 15-12-A15-03 |
| $95 \mathrm{B060690}$ | $95 \mathrm{B060680}$ |
| --- | --- |
| --- | --- |
| --- | --- |
| --- | --- |


| Nominal Voltage |
| :--- |
| Residual Ripple |
| Hysteresis |
| Max. Output Current |
| Min. Output Current |
| Residual Current |
| Voltage Drop |
| Operation Led |
| Switching Frequency |
| Start Up Delay |
| Repeatability |
| Short Circuit Protection |
| Electric Protection |
| Temperature Limit |
| Protection Degree |
| Cable Length |
| Cable Section |
| Housing Material |
| Active face |
| Tightening torque |
| Weight - Cable Output |
| Weight - Connector Output |


| $20+250 \mathrm{Vac}(50,60 \mathrm{~Hz})$ | $20+250 \mathrm{Vac}(50,60 \mathrm{~Hz})$ |
| :---: | :---: |
| < 10\% | < 10\% |
| < 10\% | < 10\% |
| 500 mA , inrush:1,5A | 500 mA , inrush:1,5A |
| 20 mA | 20 mA |
| < $0,7 \mathrm{~mA}$ | < 0,7 mA |
| $<4 \mathrm{~V}$ (I=100mA) | < 4 V (I=100mA) |
| Yellow | Yellow |
| 25 Hz | 25 Hz |
| < 300 ms | < 300 ms |
| 5\% | 5\% |
| Present (self-resetting) | Present (self-resetting) |
| Against polarity reversal inductive loads | Against polarity reversal inductive loads |
| $\left(-25 \ldots+70^{\circ} \mathrm{C}\right)$ | $\left(-25 \ldots+70^{\circ} \mathrm{C}\right)$ |
| IP67 | IP67 |
| --- | 2 m |
| --- | $2 \times 0,25 \mathrm{~mm}^{2}$ |
| Nickel-plated brass | Nickel-plated brass |
| PA 16 | PA 16 |
| * see page 5 of the Inductive Sensors Catalog | * see page 5 of the Inductive Sensors Catalog |
| --- | 145g |
| 95g | --- |

## INDUCTIVE AC M18



STANDARD VAC

## FLUSH



| 10-30 Vdc | PNP/NPN NO-NC | 4 wires | order No. |
| :---: | :---: | :---: | :---: |
| 10-30 Vdc | $\begin{aligned} & \text { PNP } \\ & \text { NO } \end{aligned}$ | 3 wires | order No. |
| 10-30 Vdc | $\begin{aligned} & \text { PNP } \\ & \text { NC } \end{aligned}$ | 3 wires | order No. |
| 10-30 Vdc | $\begin{aligned} & \text { NPN } \\ & \text { NO } \end{aligned}$ | 3 wires | order No. |
| 10-30 Vdc | $\begin{aligned} & \text { NPN } \\ & \text { NC } \end{aligned}$ | 3 wires | order No. |
| 10-30 Vdc | $\begin{aligned} & \text { PNP } \\ & \text { NO-NC } \end{aligned}$ | 4 wires | order No. |
| 10-30 Vdc | $\begin{aligned} & \text { NPN } \\ & \text { NO-NC } \end{aligned}$ | 4 wires | order No. |
| 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 | 2/3wires | order No. |
| 10-30 Vdc | Analog <br> 0-20 mA | 3 wires | order No. |
| NAMUR amplifier | NAMUR | 2 wires | order No. |


| Nominal Voltage |
| :--- |
| Residual Ripple |
| Hysteresis |
| Max. Output Current |
| Min. Output Current |
| Residual Current |
| Voltage Drop |
| Operation Led |
| Switching Frequency |
| Start Up Delay |
| Repeatability |
| Short Circuit Protection |
| Electric Protection |
| Temperature Limit |
| Protection Degree |
| Cable Length |
| Cable Section |
| Housing Material |
| Active face |
| Tightening torque |
| Weight - Cable Output |
| Weight - Connector Output |


| $20+250 \mathrm{Vac}(50,60 \mathrm{~Hz})$ | $20+250 \mathrm{Vac}(50,60 \mathrm{~Hz})$ |
| :---: | :---: |
| < 10\% | < 10\% |
| < 10\% | < 10\% |
| 500 mA , inrush:1,5A | 500 mA , inrush:1,5A |
| 20 mA | 20 mA |
| < 0,7 mA | < $0,7 \mathrm{~mA}$ |
| $<4 \mathrm{~V}(\mathrm{l}=100 \mathrm{~mA})$ | $<4 \mathrm{~V}$ (I=100mA) |
| Yellow | Yellow |
| 25 Hz | 25 Hz |
| < 300 ms | < 300 ms |
| 5\% | 5\% |
| Present (self-resetting) | Present (self-resetting) |
| Against polarity reversal inductive loads | Against polarity reversal inductive loads |
| $\left(-25 \ldots+70^{\circ} \mathrm{C}\right)$ | $\left(-25 \ldots+70^{\circ} \mathrm{C}\right)$ |
| IP67 | IP67 |
| --- | 2 m |
| --- | $2 \times 0,25 \mathrm{~mm}^{2}$ |
| Nickel-plated brass | Nickel-plated brass |
| PA 16 | PA 16 |
| * see page 5 of the Inductive Sensors Catalog | * see page 5 of the Inductive Sensors Catalog |
| --- | 145g |
| 95g | --- |



|  |  |  |  | STANDARDVAC |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | FLUSH |  |
|  |  |  |  | M12 conn | cable |
| NOMINAL SWITCHING DISTANCE |  |  |  | 10 mm | 10 mm |
| 10-30 Vdc | PNP/NPN | 4 wires |  | --- | --- |
|  | NO-NC | 4 wires | order No. | --- | --- |
| 10-30 Vdc | PNP | 3 wires |  | --- | --- |
|  | NO | 3 wires | order No. | --- | --- |
| 10-30 Vdc | PNP | 3 wires |  | --- | --- |
|  | NC | 3 wires | order No. | --- | --- |
| 10-30 Vdc | NPN |  |  | --- | --- |
|  | NO | 3 wires | order No. | --- | --- |
| 10-30 Vdc | NPN | 3 wires |  | --- | -- |
|  | NC | 3 wires | order No. | --- | --- |
| 10-30 Vdc | PNP | 4 wires |  | --- | -- |
|  |  | 4 wires | order No. | --- | -- |
| 10-30 Vdc | NPN | 4 wires |  | --- | --- |
|  |  | 4 wires | order No. | --- | --- |
| 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 |  | --- | -- |
|  | NC | 2 wires | order No. | --- | --- |
| 20-250 Vac | NO | 2/3wires |  | IS-30-A15-S2 | IS-30-A15-03 |
|  | No | 2/3wires | order No. | $95 \mathrm{B060820}$ | 958060810 |
| 10-30 Vdc |  |  |  | --- | -- |
|  | $0-20 \mathrm{~mA}$ | 3 wires | order No. | --- | --- |
| NAMUR amplifier | NAMUR | 2 wires |  | --- | --- |
|  |  |  | order No. | --- | --- |
| Nominal Voltage |  |  |  |  |  |
|  |  |  |  | $20+250 \mathrm{Vac}(50,60 \mathrm{~Hz})$ | $20+250 \mathrm{Vac}(50,60 \mathrm{~Hz})$ |
| Residual Ripple |  |  |  | < 10\% | < $10 \%$ |
| Hysteresis |  |  |  | < $10 \%$ | < $10 \%$ |
| Max. Output Current |  |  |  | 500 mA , inrush:1,5A | 500 mA , inrush:1,5A |
| Min. Output Current |  |  |  | 20 mA | 20 mA |
| Residual Current |  |  |  | $<0,7 \mathrm{~mA}$ | $<0,7 \mathrm{~mA}$ |
| Voltage Drop |  |  |  | $<4 \mathrm{~V}$ (I=100mA) | $<4 \mathrm{~V}$ ( $\mathrm{I}=100 \mathrm{~mA}$ ) |
| Operation Led |  |  |  | Yellow | Yellow |
| Switching Frequency |  |  |  | 25 Hz | 25 Hz |
| Start Up Delay |  |  |  | < 300 ms | < 300 ms |
| Repeatability |  |  |  | 5\% | 5\% |
| Short Circuit Protection |  |  |  | Present (self-resetting) | Present (self-resetting) |
| Electric Protection |  |  |  | Against polarity reversal inductive loads | Against polarity reversal inductive loads |
| Temperature Limit |  |  |  | $\left(-25 \ldots+70^{\circ} \mathrm{C}\right)$ | $\left(-25 \ldots+70^{\circ} \mathrm{C}\right)$ |
| Protection Degree |  |  |  | IP67 | IP67 |
| Cable Length |  |  |  | --- | 2 m |
| Cable Section |  |  |  | --- | $2 \times 0,25 \mathrm{~mm}^{2}$ |
| Housing Material |  |  |  | Nickel-plated brass | Nickel-plated brass |
| Active face |  |  |  | PA 16 | PA 16 |
| Tightening torque |  |  |  | * see page 5 of the Inductive Sensors Catalog | * see page 5 of the Inductive Sensors Catalog |
| Weight - Cable Output |  |  |  | --- | 145g |
| Weight - Connector Output |  |  |  | 95g | --- |

INDUCTIVE AC



