BASIC M12



| $10-30 \operatorname{Vdc}(-15 / 10 \%)$ | 10-30 Vdc (-15/10\%) | 10-30 Vdc (-15/10\%) | 10-30 Vdc (-15/10\%) |
| :---: | :---: | :---: | :---: |
| < 10\% | < 10\% | < 10\% | < 10\% |
| < 10\% | < 10\% | < 10\% | < 10\% |
| 200 mA | 200 mA | 200 mA | 200 mA |
| --- | --- | --- | --- |
| < 10 mA | < 10 mA | < 10 mA | < 10 mA |
| <1,8V (I= 100 mA ) | $<1,8 \mathrm{~V}$ ( $\mathrm{I}=100 \mathrm{~mA}$ ) | $<1,8 \mathrm{~V}$ (l= 100 mA ) | < $1,8 \mathrm{~V}$ ( $(=100 \mathrm{~mA}$ ) |
| Yellow | Yellow | Yellow | Yellow |
| 1000 Hz | 1000 Hz | 1000 Hz | 1000 Hz |
| < 50 ms | < 50 ms | < 50 ms | < 50 ms |
| < 3\% | < $3 \%$ | < 3\% | < 3\% |
| Present (self-resetting) | Present (self-resetting) | Present (self-resetting) | Present (self-resetting) |
| Against polarity reversal inductive loads | Against polarity reversal inductive loads | Against polarity reversal inductive loads | Against polarity reversal inductive loads |
| $\left(-25 \ldots+60^{\circ} \mathrm{C}\right)$ | $\left(-25 \ldots+70^{\circ} \mathrm{C}\right)$ | $\left(-25 \ldots+60^{\circ} \mathrm{C}\right)$ | $\left(-25 \ldots+70^{\circ} \mathrm{C}\right)$ |
| IP67 | IP67 | IP67 | IP67 |
|  | 2 m | --- | 2 m |
|  | $3 \times 0,25 \mathrm{~mm}^{2}$ | --- | $3 \times 0,25 \mathrm{~mm}^{2}$ |
| Nickel-plated brass | Nickel-plated brass | Nickel-plated brass | Nickel-plated brass |
| --- | 110 g | --- | 110 g |
| 60 g | --- | 60 g | --- |

2 wires NO or NC


3 wires PNP or NPN


4 wires (PNP/NPN, NO/NC)


M12 connector - connections


2 wires NO or NC

| CONTACT9 CONFIGURATION |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Anvilable | Contacts numbers |  |  |  |
|  | 1 | 2 | 3 | 4 |
| NO | + |  | - |  |
| NC | - |  | + |  |

3 wires

| CONTACTS CONPIGURATION |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Avalable numbers    <br>  1 2 4 <br>  +  - <br> NONC    |  |  |  |  |

## 4 wires (PNP/NPN, NO/NC)

CONTACTS CONFIGURATION

| Cutput |  |  | Contanumbs |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 | 2 | 3 | 4 |  |  |
| NPNNO | + | NO | - | - |  |  |
| NPNNC | - | NC | + | - |  |  |
| PNPNO | + | + | - | NO |  |  |
| PNPNC | - | + | + | NC |  |  |

BASIC M12



| SHORT X2 |  |  |  |
| :---: | :---: | :---: | :---: |
| FLUSH |  | NON FLUSH |  |
| M12 con | cable | M12 conn | cable |
| 4 mm | 4 mm | 8 mm | 8 mm |
| --- | --- | --- | --- |
| --- | --- | --- | --- |
| IS-12-G1-S2 | 1S-12-G1-03 | IS-12-H1-S2 | IS-12-H1-03 |
| $95 \mathrm{B063371}$ | $95 \mathrm{B063361}$ | 95B063451 | $95 \mathrm{B063441}$ |
| IS-12-G2-S2 | 15-12-G2-03 | IS-12-H2-S2 | IS-12-H2-03 |
| 958063391 | $95 \mathrm{B063381}$ | 958063471 | $95 \mathrm{B063461}$ |
| IS-12-G3-S2 | IS-12-G3-03 | IS-12-H3-S2 | IS-12-H3-03 |
| 958063331 | $95 \mathrm{B063321}$ | $95 \mathrm{B063411}$ | $95 \mathrm{B063401}$ |
| IS-12-G4-S2 | 1S-12-G4-03 | IS-12-H4-S2 | IS-12-H4-03 |
| 95B063351 | $95 \mathrm{B063341}$ | $95 \mathrm{B063431}$ | $95 \mathrm{B063421}$ |
| IS-12-G5-S2 | 1S-12-G5-03 | IS-12-H5-S2 | IS-12-H5-03 |
| 95B062691 | 958062681 | $95 \mathrm{B062771}$ | $95 \mathrm{B062761}$ |
| IS-12-G6-S2 | IS-12-G6-03 | IS-12-H6-S2 | IS-12-H6-03 |
| 95B062671 | $95 \mathrm{B062661}$ | 95B062751 | 95B062741 |
| --- | --- | --- | --- |
| --- | --- | -- | --- |
| --- | --- | --- | --- |
| --- | --- | --- | --- |
| --- | --- | --- | --- |
| --- | --- | --- | --- |
| --- | --- | --- | --- |
| --- | --- | --- | --- |
| --- | --- | --- | --- |
| --- | --- | --- | --- |
| --- | --- | --- | --- |
| --- | --- | --- | --- |


| 10-30 Vdc (-15/10\%) | 10-30 Vdc (-15/10\%) | 10-30 Vdc (-15/10\%) | 10-30 Vdc (-15/10\%) |
| :---: | :---: | :---: | :---: |
| < 10\% | < 10\% | < 10\% | < 10\% |
| < 10\% | < 10\% | < 10\% | < 10\% |
| 200 mA | 200 mA | 200 mA | 200 mA |
| $>1,6 \mathrm{~mA}$ (2wires ver.) | $>1,6 \mathrm{~mA}$ (2wires ver.) | $>1,6 \mathrm{~mA}$ (2wires ver.) | $>1,6 \mathrm{~mA}$ (2wires ver.) |
| < 10 mA | < 10 mA | < 10 mA | < 10 mA |
| $<1,2 \mathrm{~V}$ ( $1=100 \mathrm{~mA}$ ) | < $1,2 \mathrm{~V}$ ( $(=100 \mathrm{~mA})$ | $<1,2 \mathrm{~V}$ ( $1=100 \mathrm{~mA}$ ) | < $1,2 \mathrm{~V}$ ( $(=100 \mathrm{~mA})$ |
| Yellow | Yellow | Yellow | Yellow |
| $500 \mathrm{~Hz} / 200 \mathrm{~Hz}$ ( 4 wires NO-NC) | $500 \mathrm{~Hz} / 200 \mathrm{~Hz}$ ( 4 wires NO-NC) | $500 \mathrm{~Hz} / 200 \mathrm{~Hz}$ ( 4 wires NO-NC) | $500 \mathrm{~Hz} / 200 \mathrm{~Hz}$ ( 4 wires NO-NC) |
| $<75 \mathrm{~ms}$ | $<75 \mathrm{~ms}$ | $<75 \mathrm{~ms}$ | $<75 \mathrm{~ms}$ |
| < 3\% | < 3\% | < 3\% | < 3\% |
| Present (self-resetting) | Present (self-resetting) | Present (self-resetting) | Present (self-resetting) |
| Against polarity reversal inductive loads | Against polarity reversal inductive loads | Against polarity reversal inductive loads | Against polarity reversal inductive loads |
| $\left(-25 \ldots+70^{\circ} \mathrm{C}\right)$ | $\left(-25 \ldots+70^{\circ} \mathrm{C}\right)$ | $\left(-25 \ldots+70^{\circ} \mathrm{C}\right)$ | $\left(-25 \ldots+70^{\circ} \mathrm{C}\right)$ |
| IP67 | IP67 | IP67 | IP67 |
| --- | 2 m |  | 2 m |
| --- | $3 \times 0,25 \mathrm{~mm}^{2}$ |  | $3 \times 0,25 \mathrm{~mm}^{2}$ |
| Nickel-plated brass | Nickel-plated brass | Nickel-plated brass | Nickel-plated brass |
| --- | 110 g | --- | 110 g |
| 60 g | --- | 60 g | --- |

2 wires NO or NC


3 wires PNP or NPN


4 wires (PNP/NPN, NO/NC)


4 wires (NO+NC)


## M12 connector connections

2 wires NO or NC


3 wires


4 wires (PNP/NPN, NO/NC)

| COnTACTE COnFIGURATION |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Ouput | Cortasa numbers |  |  |  |
|  | $t$ | 2 | 3 | 4 |
| NPINMO | $+$ | no | - | - |
| AEFNMC | - | nic | 4 | - |
| PNP NOO | $+$ | $+$ | - | NO |
| PTPNC: | - | + | + | NC |

4 wires (NO+NC)


