BASIC.M6.



| 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 |
| Weight - Cable Output |
| Weight - Connector Output |


| 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 mm | 200 mA | 200 mm | 200 mA |
| --- | --- | --- | --- |
| < $1,6 \mathrm{~mA}$ | < $1,6 \mathrm{~mA}$ | < 1,6 mA | < $1,6 \mathrm{~mA}$ |
| $<1,2 \mathrm{~V}$ (l $=100 \mathrm{~mA}$ ) | $<1,2 \mathrm{~V}$ ( $1=100 \mathrm{~mA}$ ) | $<1,2 \mathrm{~V}$ ( $1=100 \mathrm{~mA}$ ) | $<1,2 \mathrm{~V}$ ( $1=100 \mathrm{~mA}$ ) |
| 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 |
| $\left(-25 . . .+70^{\circ} \mathrm{C}\right)$ | $\left(-25 \ldots+70^{\circ} \mathrm{C}\right)$ | $\left(-25 \ldots+70^{\circ} \mathrm{C}\right)$ | $\left(-25 \ldots+70^{\circ} \mathrm{C}\right)$ |
| IP67 | IP67 | IP67 | IP67 |
| --- | 2 m | --- | 2 m |
| --- | $3 \times 0,14 \mathrm{~mm}^{2}$ | --- | $3 \times 0,14 \mathrm{~mm}^{2}$ |
| Nickel-plated brass | Nickel-plated brass | Nickel-plated brass | Nickel-plated brass |
| --- | 80 g | --- | 80 g |
| 40 g | --- | 40 g | --- |



| SHORT |  |  |  |
| :---: | :---: | :---: | :---: |
| FLUSH |  | NON FLUSH |  |
| M8 conn | cable | M8 conn | cable |
| 1,5 mm | 1,5 mm | 2 mm | 2 mm |
| --- | --- | --- | --- |
| --- | --- | --- | --- |
| 1S-65-B1-S1 | 1S-65-B1-03 | IS-65-D1-S1 | IS-65-D1-03 |
| 958066070 | 958064750 | $95 \mathrm{B066230}$ | $95 \mathrm{B064910}$ |
| IS-65-B2-S1 | IS-65-B2-03 | 1S-65-D2-S1 | IS-65-D2-03 |
| $95 \mathrm{B066110}$ | $95 \mathrm{B064790}$ | $95 \mathrm{B066270}$ | $95 \mathrm{B064950}$ |
| 1S-65-B3-S1 | 15-65-B3-03 | IS-65-D3-S1 | IS-65-D3-03 |
| 95B064990 | $95 \mathrm{B064670}$ | $95 \mathrm{B066150}$ | $95 \mathrm{B064830}$ |
| 1S-65-B4-S1 | 1S-65-B4-03 | IS-65-D4-S1 | IS-65-D4-03 |
| $95 \mathrm{B066030}$ | 95B064710 | $95 \mathrm{B066190}$ | $95 \mathrm{B066190}$ |
| --- | --- | --- | --- |
| --- | --- | --- | --- |
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| --- | --- | --- | --- |
| --- | --- | --- | --- |
| --- | --- | --- | --- |
| --- | --- | --- | --- |
|  |  |  |  |
| 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 |
| --- | --- | --- | --- |
| < 10 mA | < 10 mA | < 10 mA | < 10 mA |
| $<1,2 \vee(1=100 \mathrm{~mA})$ | $<1,2 \vee(1=100 \mathrm{~mA})$ | $<1,2 \vee(1=100 \mathrm{~mA})$ | $<1,2 \mathrm{~V}(1=100 \mathrm{~mA})$ |
| 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 |
| $\left(-25 \ldots+70^{\circ} \mathrm{C}\right)$ | $\left(-25 \ldots+70^{\circ} \mathrm{C}\right)$ | $\left(-25 \ldots+70^{\circ} \mathrm{C}\right)$ | $\left(-25 \ldots+70^{\circ} \mathrm{C}\right)$ |
| IP67 | IP67 | IP67 | IP67 |
| --- | 2 m | --- | 2 m |
| --- | $3 \times 0,14 \mathrm{~mm}^{2}$ | --- | $3 \times 0,14 \mathrm{~mm}^{2}$ |
| Nickel-plated brass | Nickel-plated brass | Nickel-plated brass | Nickel-plated brass |
| --- | 80 g | --- | 80 g |
| 40 g | --- | 40 g | --- |

3 wires PNP or NPN


M8 3 pole


## BASIC. M6.



## SHORT X2

FLUSH

| NOMINAL SWITCHING DISTANCE |  |  |  |  | 2 mm |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 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. | IS-65-G1-S1 | IS-65-G1-03 |
|  |  |  |  | 958066060 | $95 \mathrm{B064740}$ |
| 10-30 Vdc | $\begin{aligned} & \text { PNP } \\ & \text { NC } \end{aligned}$ | 3 wires | order No. | IS-65-G2-S1 | IS-65-G2-03 |
|  |  |  |  | 958066100 | 958064780 |
| 10-30 Vdc | $\begin{aligned} & \text { NPN } \\ & \text { NO } \end{aligned}$ | 3 wires | order No. | IS-65-G3-S1 | IS-65-G3-03 |
|  |  |  |  | $95 \mathrm{B064980}$ | $95 \mathrm{B064660}$ |
| 10-30 Vdc | $\begin{aligned} & \text { NPN } \\ & \text { NC } \end{aligned}$ | 3 wires | order No. | IS-65-G4-S1 | IS-65-G4-03 |
|  |  |  |  | $95 \mathrm{B066020}$ | 958064700 |
| 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$0-20 \mathrm{~mA}$ | 3 wires | order No. | --- | --- |
|  |  |  |  | --- | --- |
| NAMUR amplifier | NAMUR | 2 wires | order No. | --- | --- |
|  |  |  |  | --- | --- |
|  |  |  |  |  |  |
| Nominal Voltage |  |  |  | 10-30 Vdc (-15/10\%) | 10-30 Vdc (-15/10\%) |
| Residual Ripple |  |  |  | < 10\% | < 10\% |
| Hysteresis |  |  |  | < 10\% | < 10\% |
| Max. Output Current |  |  |  | 200 mA | 200 mA |
| Min. Output Current |  |  |  | --- | --- |
| Residual Current |  |  |  | < 10 mA | < 10 mA |
| Voltage Drop |  |  |  | $<1,2 \mathrm{~V}$ ( $=100 \mathrm{~mA}$ ) | $<1,2 \mathrm{~V}$ ( $1=100 \mathrm{~mA}$ ) |
| Operation Led |  |  |  | Yellow | Yellow |
| Switching Frequency |  |  |  | 500 Hz | 500 Hz |
| Start Up Delay |  |  |  | $<75 \mathrm{~ms}$ | $<75 \mathrm{~ms}$ |
| Repeatability |  |  |  | < 3\% | < $3 \%$ |
| 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 |  |  |  | --- | $3 \times 0,14 \mathrm{~mm}^{2}$ |
| Housing Material |  |  |  | Nickel-plated brass | Nickel-plated brass |
| Weight - Cable Output |  |  |  | --- | 80 g |
| Weight - Connector Output |  |  |  | 40 g | --- |



| SHORT X 2 |  |
| :---: | :---: |
| NON FLUSH |  |
| M8 conn | cable |
| 3 mm | 3 mm |
| --- | --- |
| --- | --- |
| IS-65-H1-S1 | 1S-65-H1-03 |
| 958066220 | 958064900 |
| 1S-65-H2-S1 | 15-65-H2-03 |
| 958066260 | 95B064940 |
| IS-65-H3-S1 | IS-65-H3-03 |
| 958066140 | 95B064820 |
| 1S-65-H4-S1 | 15-65-H4-03 |
| $95 \mathrm{B066180}$ | $95 \mathrm{B064860}$ |
| --- | --- |
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| --- | --- |
| --- | --- |
| --- | --- |
| --- | --- |
|  |  |
| 10-30 Vdc (-15/10\%) | 10-30 Vdc (-15/10\%) |
| < 10\% | < 10\% |
| < 10\% | < 10\% |
| 200 mA | 200 mA |
| --- | --- |
| $<10 \mathrm{~mA}$ | < 10 mA |
| $<1,2 \mathrm{~V}$ ( $=100 \mathrm{~mA}$ ) | $<1,2 \vee(1=100 \mathrm{~mA})$ |
| Yellow | Yellow |
| 500 Hz | 500 Hz |
| $<75 \mathrm{~ms}$ | < 75 ms |
| < $3 \%$ | < $3 \%$ |
| 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 |
| --- | $3 \times 0,14 \mathrm{~mm}^{2}$ |
| Nickel-plated brass | Nickel-plated brass |
| --- | 80 g |
| 40 g | --- |

3 wires PNP or NPN


M8 3 pole


