MXD31,8 ANOG/AMP/H


## 

| Product characteristics |  |
| :---: | :---: |
| Electrical design | NPN |
| Sensing range [mm] | 1.7; (Using toothed wheels with a different modulus has an influence on the sensing range and the phase position.) |
| Dimensions [mm] | $\varnothing 15 / L=70$ |
| Electrical data |  |
| Operating voltage [V] | 7... 30 DC |
| Current consumption [mA] | < 30 |
| Protection class | III |
| Reverse polarity protection | no |
| Outputs |  |
| Electrical design | NPN |
| Permanent current rating of [mA] switching output DC | 50 |
| Switching frequency DC [Hz] | 2... 15000 |
| Short-circuit protection | no |
| Monitoring range |  |
| Sensing range [mm] | 1.7; (Using toothed wheels with a different modulus has an influence on the sensing range and the phase position.) |
| Operating distance [mm] | 1 |
| Operating conditions |  |
| Ambient temperature $\quad\left[{ }^{\circ} \mathrm{C}\right]$ | -32... 140 |
| Ambient temperature [ ${ }^{\circ} \mathrm{C}$ ] | 125 |
| Note on ambient temperature | for the plug area |
| Protection | IP 67; IP 69K; (plug: IP 54) |
| Tests / approvals |  |
| EMC | EN 61000-4-2 ${ }^{\text {a kV CD / } 8 \mathrm{kV} \mathrm{AD}}$ |
|  | EN 61000-4-3 $10 \mathrm{~V} / \mathrm{m}$ |
|  | EN 61000-4-4 2 kV |
|  | EN 61000-4-6 10 V |
|  | EN 61000-4-8 $30 \mathrm{~A} / \mathrm{m}$ |
| Shock resistance | DIN EN 60068-2-27 $\|$$30 \mathrm{~g} \mathrm{11} \mathrm{ms} \mathrm{half-sine;} \mathrm{3} \mathrm{shocks} \mathrm{each} \mathrm{in} \mathrm{every}$direction of the 3 coordinate axes |

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| Salt spray test | EN 60068/2-11 $96 \mathrm{~h} 5 \% \mathrm{NaCl}$ bei $25^{\circ} \mathrm{C}$ |
| :---: | :---: |
| MTTF [years] | 2247 |
| Mechanical data |  |
| Weight [g] | 23.5 |
| Dimensions [mm] | $\varnothing 15 / L=70$ |
| Material | Socket: brass; housing: PA; O-ring: FKM |
| Tightening torque [ Nm ] | 7 |
| Toothed wheel module [mm] | 1.25 |
| Installation length [mm] | 45 |

## Remarks

Pack quantity
1 pcs.

## Electrical connection

Connection


| A: | Pulse output |
| :--- | :--- |
| B: | Pulse output |

Connector: 1 x AMP-Junior Timer (282 192-1)

## Diagrams and graphs

Switching signals

phase shift $90^{\circ}+/-20^{\circ}$
pulse/pause ratio $50 \%+/-10 \%$
Using toothed wheels with a different modulus has an influence on the sensing range and the phase position.

