## SUNS ${ }^{\circ}$

MP-1 Series Magnetic Safety Switches (IP68)

## Technical Specifications

| Housing material | Glassfiber Reinforced Plastics |
| :--- | :--- |
| Ambient temperature | -25 to $70^{\circ} \mathrm{C}\left(-13\right.$ to $\left.158^{\circ} \mathrm{F}\right)$ |
| Degree of protection | IP 68 (IEC/EN 60529) |
| Switching voltage | 100 V AC/ DC 400 mA or |
| Switching current I max. | $230 \mathrm{VAC} \mathrm{2A} \mathrm{30VDC} \mathrm{1A}$ |
| Auxiliary contact | 24 V DC |
| Switching voltage <br> Switching current $I_{\text {emax }}$ | 10 mA |
| Method of operation | Magnetic, reed contact |
| Mech. life | 10 millions cycles |
| Vibration resistance | As per IEC/EN 60947-5-2 |
| Impact strength | $50 \mathrm{~g} / \mathrm{ms}$ |
| Shock resistance | $11 \mathrm{~g} / \mathrm{ms}$ |
| EMC compliance | In acc. with EN 61496-1/EN 50022 Part A |



* Dimensions of the actuators are the same as switches except without cable

| Item | Actuator Part Number | Switching Distance Son [mm] | Circuit Diagram Gate Closed | Maximum Contact Ratings |
| :---: | :---: | :---: | :---: | :---: |
| MP1-D.03P | MP1-M | Son : 6 mm | $\square_{81}^{81}$ | 100 V AC/DC 400 mA |
| MP1.D.03PM | MP 1-MM | Son : 9 mm |  |  |
| MP1-D.03PL | MP 1. ML | Son : 18 mm | $\square^{\text {w }}$ |  |
| MP1.D.03S | MP1-M | Son : 6 mm |  |  |
| MP 1-D.035M | MP 1-MM | Son : 9 mm |  |  |
| MP1-D.03SL | MP 1-ML | Son : 18 mm |  |  |
| MP1-D. 11 | MP 1-M | $S_{\text {on }}: 6 \mathrm{~mm} \quad S_{\text {off }}: 15 \mathrm{~mm}$ | $\square_{\square_{10}^{80}}^{80}{ }^{81}$ | 100 V AC/DC 400 mA |
| MP1.D.11M | MP 1. MM | $S_{\text {on }}: 9 \mathrm{~mm}$ Soff : 18 mm |  |  |
| MP1-D.11E | MP 1-M | $S_{\text {on }}: 6 \mathrm{~mm}$ S off $: 15 \mathrm{~mm}$ | $\square_{\square_{81}^{80}}^{8 \times}$ | 24 VDC 10 mA |
| MP1-D. 11 ME | MP1. MM | $S_{\text {on }}: 9 \mathrm{~mm}$ Soff $: 18 \mathrm{~mm}$ |  |  |
| MP1-D. 125 | MP 1-M | $S_{\text {on }}: 6 \mathrm{~mm}$ S off $: 15 \mathrm{~mm}$ |  | 100 V AC/DC 400 mA |
| MP1-D.125M | MP 1- MM | $S_{\text {on }}: 9 \mathrm{~mm}$ Soff $: 18 \mathrm{~mm}$ |  |  |
| MP1-D.12SE | MP 1-M | $S_{\text {on }}: 6 \mathrm{~mm} \quad S_{\text {off }}: 15 \mathrm{~mm}$ |  | 24 VDC 10 mA |
| MP1-D. 125 ME | MP 1-MM | $S_{\text {on }}: 9 \mathrm{~mm} \quad S_{\text {off }}: 18 \mathrm{~mm}$ |  |  |
| MP 1-D. 12 | MP 1-M | Son : 6 mm S off : 15 mm | ${ }_{\text {CII }}^{61}$ | 100 V AC/DC 400 mA |
| MP1-D.12M | MP 1. MM | Son : 9 mm Soff : 18 mm |  |  |
| MP1-D.12E | MP 1-M | $S_{\text {on }}: 6 \mathrm{~mm}$ Soff $: 15 \mathrm{~mm}$ |  | 24VDC 10 mA |
| MP1-D.12ME | MP 1-MM | Son : 9 mm Soff $: 18 \mathrm{~mm}$ |  |  |
| MP1.D.04E | MP1-M | Son : 6 mm |  | 24VDC 10 mA |
| MP1.D.04EM | MP 1-MM | Son : 9 mm | $\square_{\text {- }}^{\text {¢0 }}$ |  |
| MP1.D. 02 | MP 1-M | Son : 6 mm | ${ }^{81}{ }^{81}$ | 100 V AC/DC 400 mA |
| MP1.D.02M | MP1-MM | Son : 9 mm |  |  |
| MP1-A. 10 | MP 1-M | Son : 6 mm | $\square^{80}$ | 230VAC 2A 30VDC 1A |
| MP1-A.10M | MP 1-MM | Son : 9 mm |  |  |

MP-2 Series Magnetic Safety Switches (IP68)
Technical Specifications

| Housing material: | Glassfiber Reinforced Plastics | Method of operation: | Magnetic, reed contact |
| :---: | :---: | :---: | :---: |
| Ambient temperature: | -25 to $70^{\circ} \mathrm{C}$ ( -13 to $158^{\circ} \mathrm{F}$ ) | Mech. life: | 10 millions cycles |
| Degree of protection: | IP68 (IEC/EN 60529) | Vibration resistanc: | As per IEC/EN 60947-5-2 |
| Switching voltage: Switching current $I_{e}$ max: | 100V AC/DC 400mA | Impact strength: | $50 \mathrm{~g} / \mathrm{ms}$ |
|  |  | Shock resistance: | $11 \mathrm{~g} / \mathrm{ms}$ |
| Auxiliary contact: <br> Switching voltage: <br> Switching current $I_{e}$ max: | 24 V DC 10mA | EMC compliance: | In acc. with EN 61496-1/EN 50022 Part A |
|  |  |  |  |



MP-30 Series Magnetic Safety Switches (IP68)

## Techical Specifications

| Housing material | Glassfiber Reinforced Plastics |
| :--- | :--- |
| Ambient temperature | -25 to $70{ }^{\circ} \mathrm{C}\left(-13\right.$ to $\left.158^{\circ} \mathrm{F}\right)$ |
| Degree of protection | IP $68 \quad($ IEC/EN 60529) |
| Switching voltage | 100 V AC/ DC |
| Switching current $\mathrm{I}_{\mathrm{e}}$ max. | 400 mA |
| Auxiliary contact | 24 V DC |
| Switching voltage <br> Switching current $\mathrm{I}_{\mathrm{e}}$ max. | 10 mA |
| Method of operation | Magnetic, reed contact |
| Mech. life | 10 millions cycles |
| Vibration resistance | As per IEC/EN 60947-5-2 |
| Impact strength | $50 \mathrm{~g} / \mathrm{ms}$ |
| Shock resistance | $11 \mathrm{~g} / \mathrm{ms}$ |
| EMC compliance | In acc. with EN 61496-1/EN 50022 Part A |



* Dimensions of the actuators are the same as switches except without cable


## Ordering table

| Item | Actuator Part Number | Switching Distance Son [mm] | Circuit Diagram Gate Closed | Maximum Contact Ratings |
| :---: | :---: | :---: | :---: | :---: |
| MP30-D-03P | MP30-M | Son : 6 mm |  | 100 V AC/ DC 400 mA |
| MP30-D-03PM | MP30-MM | $S_{\text {on }}: 9 \mathrm{~mm}$ |  |  |
| MP30-D-03S | MP30-M | Son : 6 mm |  |  |
| MP30-D-03SM | MP30-MM | Son : 9 mm |  |  |
| MP30-D-11 | MP30-M | $S_{\text {on }}: 6 \mathrm{~mm} \quad S_{\text {off }}: 15 \mathrm{~mm}$ | $\overline{-1}_{8}^{80}$ | 100 V AC/DC 400 mA |
| MP30-D-11M | MP30-MM | $S_{\text {on }}: 9 \mathrm{~mm}$ Soif : 18 mm |  |  |
| MP30-D-11E | MP30-M | $S_{\text {on }}: 6 \mathrm{~mm} \quad \mathrm{~S}_{\text {off }}: 15 \mathrm{~mm}$ | 7is | 24VDC 10 mA |
| MP30-D-11ME | MP30-MM | $S_{\text {on }}: 9 \mathrm{~mm}$ S off : 18 mm |  |  |
| MP30-D-12S | MP30-M | $S_{\text {on }}: 6 \mathrm{~mm} \quad \mathrm{~S}_{\text {off }}: 15 \mathrm{~mm}$ |  | 100 V AC/ DC 400 mA |
| MP30-D-12SM | MP30-MM | $S_{\text {on }}: 9 \mathrm{~mm}$ S off : 18 mm |  |  |
| MP30-D-12SE | MP30-M | $S_{\text {on }}: 6 \mathrm{~mm} \quad S_{\text {off }}: 15 \mathrm{~mm}$ | $\square^{81}$ | $24 V D C 10 \mathrm{~mA}$ |
| MP30-D-12SME | MP30-MM | $S_{\text {on : }} 9 \mathrm{~mm} \quad S_{\text {off }}: 18 \mathrm{~mm}$ |  |  |
| MP30-D-02 | MP30-M | $S_{\text {on }}: 6 \mathrm{~mm}$ S off $: 15 \mathrm{~mm}$ |  | 100 V AC/DC 400 mA |
| MP30-D-02M | MP30-MM | $S_{\text {on }}: 9 \mathrm{~mm}$ Soff : 18 mm |  |  |

MP-4 Series Magnetic Safety Switches (IP68)

## Techical Specifications

| Housing material | Glassfiber Reinforced Plastics |
| :--- | :--- |
| Ambient temperature | -25 to $70^{\circ} \mathrm{C}\left(-13\right.$ to $\left.158^{\circ} \mathrm{F}\right)$ |
| Degree of protection | IP 68 (IEC/EN 60529) |
| Switching voltage | $100 \mathrm{~V} \mathrm{AC/DC} \mathrm{400mA} \mathrm{or}$ |
| Switching current $\mathrm{I}_{\mathrm{e}}$ max. | $230 \mathrm{VAC} 2 \mathrm{~A} \mathrm{30VDC} \mathrm{1A}$ |
| Auxiliary contact | 24 V DC |
| Switching voltage | 10 mA |
| Method of operation | Magnetic, reed contact |
| Mech. life | 10 milions cycles |
| Vibration resistance | As per IEC/EN 60947-5-2 |
| Impact strength | $50 \mathrm{~g} / \mathrm{ms}$ |
| Shock resistance | $11 \mathrm{~g} / \mathrm{ms}$ |
| EMC compliance | In acc. with EN 61496-1/EN 50022 Part A |

## Ordering table

| Item | Actuator Part Number | Switching Distance $S$ on [mm] | Circuit Diagram Gate Closed | Maximum Contact Ratings |
| :---: | :---: | :---: | :---: | :---: |
| MP4-A-10 | MP4-M | $\mathrm{Son}_{\text {on }}: 6 \mathrm{~mm}$ |  | 230VAC 2A |
| MP4-A-10M | MP4-MM | $\mathrm{Son}_{\text {on }}: 9 \mathrm{~mm}$ |  | 30VDC 1A |
| MP4-D-03P | MP4-M | Son : 6 mm |  | $\begin{aligned} & 100 \mathrm{~V} \text { AC/DC } \\ & 400 \mathrm{~mA} \end{aligned}$ |
| MP4-D-03PM | MP4-MM | Son :9mm |  |  |
| MP4-D-03S | MP4-M | Son :6mm |  |  |
| MP4-D-03SM | MP4-MM | Son :9mm |  |  |
| MP4-D-11 | MP4-M | $\mathrm{Son}_{\text {on }}: 6 \mathrm{~mm} \quad \mathrm{~S}_{\text {off }}: 15 \mathrm{~mm}$ | $\square_{\square}^{\square \square_{8}^{B N}}$ | $\begin{aligned} & 100 \mathrm{~V} \text { AC/DC } \\ & 400 \mathrm{~mA} \end{aligned}$ |
| MP4-D-11M | MP4-MM | $\mathrm{Son}_{\text {on }}: 9 \mathrm{~mm} \quad \mathrm{~S}_{\text {off }}: 18 \mathrm{~mm}$ |  |  |
| MP4-D-11E | MP4-M | $\mathrm{Son}_{\text {on }}: 6 \mathrm{~mm}$ Soff $: 15 \mathrm{~mm}$ | - Bu | $\begin{aligned} & 24 \mathrm{VDC} \\ & 10 \mathrm{~mA} \end{aligned}$ |
| MP4-D-11EM | MP4-MM | $S_{\text {on }}: 9 \mathrm{~mm}$ Soff $: 18 \mathrm{~mm}$ |  |  |
| MP4-D-12S | MP4-M | $\mathrm{Son}_{\text {on }}: 6 \mathrm{~mm} \quad \mathrm{~S}_{\text {off }}: 6 \mathrm{~mm}$ | $\sim_{-84}^{\text {BK }}$ | $\begin{aligned} & 100 \mathrm{~V} \mathrm{AC} / \mathrm{DC} \\ & 400 \mathrm{~mA} \end{aligned}$ |
| MP4-D-12SM | MP4-MM | $\mathrm{Son}_{\text {on }}: 9 \mathrm{~mm}$ Soff $: 18 \mathrm{~mm}$ |  |  |
| MP4-D-12SE | MP4-M | $\mathrm{Son}_{\text {on }}: 6 \mathrm{~mm}$ Soff $: 15 \mathrm{~mm}$ |  | $\begin{aligned} & 24 \mathrm{VDC} \\ & 10 \mathrm{~mA} \end{aligned}$ |
| MP4-D-12SME | MP4-MM | $\mathrm{Son}_{\text {on }}: 9 \mathrm{~mm}$ Soff $: 18 \mathrm{~mm}$ |  |  |
| MP4-D-12 | MP4-M | $\mathrm{Son}_{\text {on }}: 6 \mathrm{~mm}$ Soff $: 15 \mathrm{~mm}$ | ${ }_{\text {GY }}^{\text {GY }}$ | $\begin{aligned} & 100 \mathrm{~V} \mathrm{AC} / \mathrm{DC} \\ & 400 \mathrm{~mA} \end{aligned}$ |
| MP4-D-12M | MP4-MM | $\mathrm{Son}_{\text {on }}: 9 \mathrm{~mm}$ Soff : 18 mm |  |  |
| MP4-D-12E | MP4-M | $\mathrm{S}_{\text {on }}: 6 \mathrm{~mm} \quad \mathrm{~S}_{\text {off }}: 15 \mathrm{~mm}$ | $\mathrm{GO}_{\mathrm{GN}}^{\mathrm{GY}}$ | $\begin{aligned} & 24 \mathrm{VDC} \\ & 10 \mathrm{~mA} \end{aligned}$ |
| MP4-D-12ME | MP4-MM | Son $: 9 \mathrm{~mm}$ Soff : 18 mm |  |  |

MP-5 Series Magnetic Safety Switches (IP68)

## Techical Specifications

| Housing material | Glassfiber Reinforced Plastics |
| :--- | :--- |
| Ambient temperature | -25 to $70^{\circ} \mathrm{C}\left(-13\right.$ to $\left.158^{\circ} \mathrm{F}\right)$ |
| Degree of protection | IP 68 (IEC/EN 60529) |
| Switching voltage | $100 \mathrm{~V} \mathrm{AC/DC} \mathrm{400mA} \mathrm{or}$ |
| Switching current I max. | $230 \mathrm{VAC} 2 \mathrm{~A} \mathrm{30VDC} \mathrm{1A}$ |
| Auxiliary contact | 24 V DC |
| Switching voltage | 10 mA |
| Method of operation | Magnetic, reed contact |
| Mech. life | 10 millions cycles |
| Vibration resistance | As per IEC/EN 60947-5-2 |
| Impact strength | $50 \mathrm{~g} / \mathrm{ms}$ |
| Shock resistance | $11 \mathrm{~g} / \mathrm{ms}$ |
| EMC compliance | In acc. with EN 61496-1/EN 50022 Part A |

## Ordering table



| Item | Actuator Part Number | Switching Distance Son [mm] | Circuit Diagram Gate Closed | Maximum Contact Ratings |
| :---: | :---: | :---: | :---: | :---: |
| MP5-A-10 | MP5-M | $\mathrm{Son}_{\text {on }}: 6 \mathrm{~mm}$ |  | 230VAC 2A |
| MP5-A-10M | MP5-MM | Son 9 mm | - ${ }^{\text {BU }}$ | 30VDC 1A |
| MP5-D-03P | MP5-M | $\mathrm{S}_{\text {on }}: 6 \mathrm{~mm}$ | $\square^{8 k}$ | $\begin{aligned} & 100 \mathrm{~V} \mathrm{AC} / \mathrm{DC} \\ & 400 \mathrm{~mA} \end{aligned}$ |
| MP5-D-03PM | MP5-MM | $\mathrm{Son}_{\text {on }} 9 \mathrm{~mm}$ |  |  |
| MP5-D-03S | MP5-M | $\mathrm{S}_{\text {on }}: 6 \mathrm{~mm}$ |  |  |
| MP5-D-03SM | MP5-MM | Son :9mm |  |  |
| MP5-D-11 | MP5-M | $\mathrm{Son}_{\text {on }}: 6 \mathrm{~mm} \quad \mathrm{~S}_{\text {off }}: 15 \mathrm{~mm}$ | $\square_{\square}^{8 \mathrm{BN}}$ | $\begin{aligned} & 100 \mathrm{~V} \mathrm{AC} / \mathrm{DC} \\ & 400 \mathrm{~mA} \end{aligned}$ |
| MP5-D-11M | MP5-MM | $\mathrm{Son}_{\text {on }}: 9 \mathrm{~mm}$ Soff $: 18 \mathrm{~mm}$ |  |  |
| MP5-D-11E | MP5-M | $\mathrm{Son}_{\text {on }}: 6 \mathrm{~mm} \quad \mathrm{~S}_{\text {off }}: 15 \mathrm{~mm}$ | - | $\begin{aligned} & 24 \mathrm{VDC} \\ & 10 \mathrm{~mA} \end{aligned}$ |
| MP5-D-11EM | MP5-MM | $\mathrm{Son}_{\text {on }}: 9 \mathrm{~mm}$ Soff $: 18 \mathrm{~mm}$ |  |  |
| MP5-D-12S | MP5-M | Son : 6 mm Soff 6 mm | $T_{- \text {BU }}^{\text {BK }}$ | $\begin{aligned} & 100 \mathrm{~V} \mathrm{AC} / \mathrm{DC} \\ & 400 \mathrm{~mA} \end{aligned}$ |
| MP5-D-12SM | MP5-MM | $\mathrm{Son}_{\text {on }}: 9 \mathrm{~mm}$ Soff : 18 mm |  |  |
| MP5-D-12SE | MP5-M | $\mathrm{Son}_{\text {on }}: 6 \mathrm{~mm}$ Soff $: 15 \mathrm{~mm}$ |  | $\begin{aligned} & 24 \mathrm{VDC} \\ & 10 \mathrm{~mA} \end{aligned}$ |
| MP5-D-12SME | MP5-MM | $\mathrm{Son}_{\text {on }}: 9 \mathrm{~mm}$ Soff $: 18 \mathrm{~mm}$ |  |  |
| MP5-D-12 | MP5-M | $\mathrm{S}_{\text {on }}: 6 \mathrm{~mm} \quad \mathrm{~S}_{\text {off }}: 15 \mathrm{~mm}$ | ${ }_{\text {GN }}^{\text {GY }}$ | $\begin{aligned} & 100 \mathrm{~V} \mathrm{AC} / \mathrm{DC} \\ & 400 \mathrm{~mA} \end{aligned}$ |
| MP5-D-12M | MP5-MM | $\mathrm{Son}_{\text {on }}: 9 \mathrm{~mm}$ Soff $: 18 \mathrm{~mm}$ |  |  |
| MP5-D-12E | MP5-M | $S_{\text {on }}: 6 \mathrm{~mm}$ Soff $: 15 \mathrm{~mm}$ | $\underbrace{\text { GV }}_{\text {CN }}$ | $\begin{aligned} & 24 \mathrm{VDC} \\ & 10 \mathrm{~mA} \end{aligned}$ |
| MP5-D-12ME | MP5-MM | $\mathrm{Son}_{\text {on }}: 9 \mathrm{~mm} \quad \mathrm{~S}_{\text {off }}: 18 \mathrm{~mm}$ |  |  |

MP-6 Series Magnetic Safety Switches (IP68)

## Techical Specifications

| Housing material | Glassfiber Reinforced Plastics |
| :--- | :--- |
| Ambient temperature | -25 to $70^{\circ} \mathrm{C}\left(-13\right.$ to $\left.158^{\circ} \mathrm{F}\right)$ |
| Degree of protection | IP 68 (IEC/EN 60529) |
| Switching voltage | $100 \mathrm{~V} \mathrm{AC/DC} \mathrm{400mA} \mathrm{or}$ |
| Switching current I max. | $230 \mathrm{VAC} \mathrm{2A} \mathrm{30VDC} \mathrm{1A}$ |
| Auxiliary contact | 24 V DC |
| Switching voltage | 10 mA |
| Method of operation | Magnetic, reed contact |
| Mech. life | 10 millions cycles |
| Vibration resistance | As per IEC/EN 60947-5-2 |
| Impact strength | $50 \mathrm{~g} / \mathrm{ms}$ |
| Shock resistance | $11 \mathrm{~g} / \mathrm{ms}$ |
| EMC compliance | In acc. with EN 61496-1/EN 50022 Part A |

## Ordering table



## MP50 Series Magnetic Safety Switches (IP67)

## Features

- Robust metal housing
- Large wiring compartment
- Bistable contacts available according to ISO14119
- High resistance to vibration
- High switching capacity
- IEC 60947-5-3, EN 954-1
- Long switching distance



## Techical Specifications

| Housing material | Aluminum die cast |
| :---: | :---: |
| Ambient temperature | -25 to $90^{\circ} \mathrm{C} \quad\left(-13\right.$ to $\left.194{ }^{\circ} \mathrm{F}\right)$ |
| Degree of protection | IP 67 (IEC/EN 60529) |
| Safety Contact Rating | $250 \mathrm{Vac} / 3 \mathrm{~A}$ max. $120 \mathrm{VA} / \mathrm{W}$ or $24 \mathrm{Vdc} / 0.2 \mathrm{~A}$ Max. |
| Dielectric Strength | > 600VAC ( $50 / 60 \mathrm{~Hz}$ ) |
| Switching time | $\begin{aligned} & \text { Close: } 0.3 \cdot 1.5 \mathrm{~ms} \\ & \text { Open: } 0.5 \mathrm{~ms} \quad(\max ) \end{aligned}$ |
| Actuating Speed | $18 \mathrm{~m} / \mathrm{s}(\mathrm{max})$ |
| Switching Accuracy | +1. 0.25 mm |
| Switching Distance | Up to 35 mm |
| Method of operation | Magnetic, reed contact |
| Mech. 1ife | 100 millions cycles |
| Vibration resistance | As per IEC/EN 60947-5-2 |
| Impact strength | $50 \mathrm{~g} / \mathrm{ms}$ |
| Shock resistance | $11 \mathrm{~g} / \mathrm{ms}$ |
| EMC compliance | In acc. with EN 61496-1/EN 50022 Part A |



Ordering table

| Item | Actuator Part Number | Switching Distance S [mm] | Circuit Diagram Gate Closed | Maximum Contact Ratings |
| :---: | :---: | :---: | :---: | :---: |
| MP50-A10-RZ | MP50-M-RZ | Bistable Switching Smax : 35 mm | ${ }^{13}$ | 250Vac / 3Amps max. 120VA/W |
| MP50-A20-RZ | MP50-M-RZ | Bistable Switching Smax : 35 mm |  | 250Vac / 3Amps max. 120VA/W |
| MP50-A11-RZ | MP50-M-RZ | Bistable Switching Smax : 35 mm | $\boldsymbol{\sim}^{13} \begin{array}{r} 14 \\ \mathbf{r}^{21} \end{array}$ | 250Vac / 3Amps max. 120VA/W |
| MP50-A02 | MP50-M | Son 10 mm Soff: 35 mm | $\square_{\square}{ }^{12}$ | 250Vac / 3Amps max. 120VA/W |
| MP50-A20 | MP50-M | Son : 10 mm Soff: 35 mm |  | 250Vac / 3Amps max. 120VA/W |
| MP50-A11 | MP50-M | Son :10mm Soff: 35 mm | $\boldsymbol{\sim}^{\mathbf{r}^{13}}{ }^{14}$ | 250Vac / 3Amps max. 120VA/W |
| MP50-D02 | MP50-M | Son : 10 mm Soff: 35 mm |  | $24 \mathrm{Vdc} / 0.2 \mathrm{~A} \mathrm{Max}$. |

