## PUSH-BUTTON SWITCHES AND CONTROL PUSH-BUTTONS



- They can be used in both building and industrial installations and safety technology
- Modular design with mounting on the rail DIN EN 50022 - width 35 mm


## Push-button switches MT2B

- For switching of up to 4 electric circuits up to 25 A
- The circuit is switched on permanently by upper green push-button, and switched off by lower red push-button
- The installed push-buttons can be replaced


## Control push-buttons MT

- They are created by insertion of a push-button T... into the push-button module MT...
- Modular design enables push-button replacement and creation of tens of different variants
- Very simpleinstallation and replacement ofthe push-buttons by the customer
■ For switching of up to 4 electric circuits up to 25 A


## Control push-buttons with light indication MT11N, MT22X

- They are created by insertion of a push-button T... and an indicator light S... into the push-button module MT11N or MT22X
- Modular design enables replacement of the push-button and indicator light and creation of tens of different variants
- Very simple installation and replacement of the push-button and indicator light by the customer
- For signalling and switching of up to 4 electric circuits up to 25 A


## Control push-button with signal light MT20S

- It is created by insertion of a push-button T... and an indicator light S... into the push-button module MT20S
- Modular design enables replacement of the push-button and indicator light and creation of tens of different variants
- Very simple installation and replacement of the push-button and indicator light by the customer
- For signalling and switching of up to 4 electric circuits up to 25 A
- Signal light - separate lighting circuit

Double control push-button M2T11-11
■ It is created by insertion of two push-buttons T... into the push-button module M2T11-11

- Modular design enables push-button replacement and creation of tens of different variants
- Very simple installation and replacement of the push-buttons by the customer
- For switching of two independent electric circuits up to 25 A

Push-button switches

| Contact <br> sequence ${ }^{1)}$ | Type | Product <br> code | Weight <br> $[\mathrm{kg}]$ | Packing <br> $[\mathrm{pcs}]$ |
| :--- | :--- | :---: | :---: | :---: |
| 11 | MT2B11 | 11136 | 0.12 | 12 |
| 22 | MT2B22 | 11139 | 0.12 | 12 |
| 40 | MT2B40 | 11138 | 0.12 | 12 |
| ${ }^{11}$ Each digit indicates successively the number of make |  |  |  |  |

Accessories to MT2B

| Labels | P...-LSN | page 25 |
| :--- | :--- | :--- |
| Push-buttons | T... | page 87 |

Control push-button modules

| Contact <br> sequence ${ }^{1)}$ | Type | Product <br> code | Weight <br> $[\mathrm{kg}]$ | Packing <br> $[\mathrm{pcs}]$ |
| :--- | :--- | :---: | :---: | :---: |
| 10 | MT10 | 08623 | 0.1 | 12 |
| 01 | MT01 | 08622 | 0.1 | 12 |
| 11 | MT11 | 08624 | 0.1 | 12 |
| 22 | MT22 | 08951 | 0.1 | 12 |
| 31 | MT31 | 08625 | 0.1 | 12 |

${ }^{1)}$ Each digit indicates successively the number of make and break contacts

| Accessories to MT |  |  |
| :--- | :--- | :--- |
| Pabels | P...-LSN | page 25 |
| Push-buttons | T... | page 87 |

## PUSH-BUTTON SWITCHES AND CONTROL PUSH-BUTTONS



Modules of control push-buttons with light indication

| Connector <br> for indicator light ${ }^{1)}$ | Contact <br> sequence 2 2) | Type | Product <br> code | Weight <br> $[\mathrm{kg}]$ | Packing <br> $[\mathrm{pcs}]$ |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Between contact and terminal | 11 | MT11N | 08626 | 0.09 | 12 |
| Between contacts | 22 | MT22X | 08628 | 0.09 | 12 |

${ }^{11}$ ) See the schematic symbol
${ }^{2)}$ Each digit indicates successively the number of make and break contacts

Accessories to MT11N, MT22X

| Labels | P...-LSN | page 25 |
| :--- | :--- | :--- |
| Push-buttons | T... | page 87 |
| Indicatorlights | S... | page 87 |

Module of control push-buttons with signal light

| Contact <br> sequence ${ }^{1)}$ | Type | Product <br> code | Weight <br> $[\mathrm{kg}]$ | Packing <br> $[\mathrm{pcs}]$ |
| :--- | :---: | :---: | :---: | :---: |
| 20 | MT20S | 08627 | 0.09 | 12 |

${ }^{11}$ Each digit indicates successively the number of make and break contacts

## Accessories to MT20S

| Labels | P...-LSN | page 25 |
| :--- | :--- | :--- |
| Push-buttons | T... | page 87 |
| Indicator lights | S... | page 87 |



Module of double control push-buttons

| Contact <br> sequence ${ }^{1)}$ | Type | Product <br> code | Weight <br> $[\mathrm{kg}]$ | Packing <br> $[\mathrm{pcs}]$ |
| :--- | :---: | :---: | :---: | :---: |
| $11-11$ | M2T11-11 | 11140 | 0.09 | 12 |

${ }^{11}$ Each digit indicates successively the number of make and break contacts

Accessories to M2T11-11

| Labels | P...-LSN | page 25 |
| :--- | :--- | :--- |
| Push-buttons | T... | page 87 |

Switches，control push－buttons and signal lights

## PUSH－BUTTON SWITCHES AND CONTROL PUSH－BUTTONS

Specification

| Type |  |  | MT2B | MT | MT11N，MT22X | MT20S | M2T11－11 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Standards |  |  | EN 60 947－5－1 | EN 60 947－5－1 | EN 60 947－5－1 | EN 60 947－5－1 | EN 60 947－5－1 |
| Approval marks |  |  |  |  |  |  |  |
| Contacts |  |  |  |  |  |  |  |
| Sequence ${ }^{1)}$ |  |  | 11，22，40 | 10，01，11，22，31 | 11，22 | 20 | 2x 11 |
| Rated operating voltage |  | $U_{\text {e }}$ | 230／400 V a．c．／220 V d．c． | $230 / 400 \mathrm{~V}$ a．c．／220 V d．c． | 230／400 V a．c．／220 V d．c． | 230／400 V a．c．／220 V d．c． | $230 / 400 \mathrm{~V}$ a．c．／220 V d．c． |
| Rated thermal current |  | $\mathrm{I}_{\text {th }}$ | 25 A | 25 A | 25 A | 25 A | 25 A |
| Rated operating current | AC－12 | ${ }_{\text {I }}$ | 25 A | 25 A | 25 A | 25 A | 25 A |
|  | AC－15 | $\mathrm{I}_{\text {e }}$ | 6 A | 6A | 6 A | 6 A | 6A |
|  | DC－12 | 1 | 1 A | 1A | 1 A | 1 A | 1A |
| Endurance |  |  | 30000 operating cycles | 100000 operating cycles | 100000 operating cycles | 100000 operating cycles | 100000 operating cycles |
| Connection |  |  | $\begin{aligned} & 0.75 \div 6 \mathrm{~mm}^{2} \\ & 2 \times(0.75 \div 2.5) \mathrm{mm}^{2} \end{aligned}$ | $\begin{aligned} & 0.75 \div 6 \mathrm{~mm}^{2} \\ & 2 \times(0.75 \div 2.5) \mathrm{mm}^{2} \end{aligned}$ | $\begin{aligned} & 0.75 \div 6 \mathrm{~mm}^{2} \\ & 2 \times(0.75 \div 2.5) \mathrm{mm}^{2} \end{aligned}$ | $\begin{aligned} & 0.75 \div 6 \mathrm{~mm}^{2} \\ & 2 x(0.75 \div 2.5) \mathrm{mm}^{2} \end{aligned}$ | $\begin{aligned} & 0.75 \div 6 \mathrm{~mm}^{2} \\ & 2 \times(0.75 \div 2.5) \mathrm{mm}^{2} \end{aligned}$ |
| Light signalling |  |  |  |  |  |  |  |
| Power |  |  | － | － | 0．8W | 0．8W | － |
| Rated voltage |  |  | － | － | 24 V a．c．／d．c．， 230 V a．c．， 220 V d．c． | 24 V a．c．／d．c．， 230 V a．c．， 220 V d．c． | － |
| Colour |  |  | － | － | $\square \square$ | $\square$ | － |
| Light |  |  | － | － | permanent，flashing | permanent，flashing | － |
| Source |  |  | － | － | LED | LED | － |
| Dispersion |  |  | － | － | by raster in front of LED | by raster in front of LED | － |
| Connection |  |  | － | － | $\begin{aligned} & 0.75 \div 6 \mathrm{~mm}^{2} \\ & 2 \times(0.75 \div 2.5) \mathrm{mm}^{2} \end{aligned}$ | $\begin{aligned} & 0.75 \div 6 \mathrm{~mm}^{2} \\ & 2 \times(0.75 \div 2.5) \mathrm{mm}^{2} \end{aligned}$ | － |
| Push－buttons |  |  |  |  |  |  |  |
| Colour |  |  | －［－7 | －［－1］ | －ㅁㅁㅁ | $\square \square \square \square \square \square$ | ■ロロロロ |
| Other data |  |  |  |  |  |  |  |
| Mounting on the rail DIN EN 50022 －width |  |  | 35 mm | 35 mm | 35 mm | 35 mm | 35 mm |
| Degree of protection |  |  | IP20 | IP20 | IP20 | IP20 | IP20 |
| Ambient temperature |  |  | $-25 \div+55^{\circ} \mathrm{C}$ | $-25 \div+55^{\circ} \mathrm{C}$ | $-25 \div+55^{\circ} \mathrm{C}$ | $-25 \div+55^{\circ} \mathrm{C}$ | $-25 \div+55^{\circ} \mathrm{C}$ |
| Seismic immunity（ $8 \div 50 \mathrm{~Hz}$ ） |  |  | 3 g | 3 g | 3 g | 3 g | 3 g |
| Operating position |  |  | arbitrary | arbitrary | arbitrary | arbitrary | arbitrary |

${ }^{1)}$ Each digit indicates successively the number of make and break contacts

## Dimensions

## MT，MT11N，MT22X，MT2OS

MT2B，M2T 11－11




## PUSH-BUTTON SWITCHES AND CONTROL PUSH-BUTTONS

Diagram
MT2B11


MT2B22


MT01


MT11N


MT11


## MT22



## MT22X

MT2B40


MT31


(+)
(+)


## Demounting

- Demounting of push-button switches MT2B...

At replacement of the push-button under which there is a spring it is necessary to cut the boss off the new push-button, and only after it to install it in the module


■ Demounting of double control push-buttons (M2T11-11 + push-buttons)


■ Demounting of control push-buttons (MT..), control push-buttons with indication (MT..N, MT..X + indicator light)


## LOCKING INSERT, LABELS



## Dimensions

vu-LsN


INDICATOR LIGHTS AND PUSH-BUTTONS


