

## Switches and Indicators

## Index

## Series 30



The interlocking switch assembly is a combination of indicators, push buttons and switches in an optional sequence of up to 12 "places" in a row. It is also possible to construct interlocking switch assemblies with only one kind of signalling and control units.

The mutual interaction $(\bullet),(\Delta)$ or non-interaction $(O)$ is determined by the choice of the selection of the interlocking system.

Each "place" is made up of an actuator (plus lens) and a switching element.

Within one interlocking switch assembly, individual places can, by choice, be excluded from the mutual interaction. For this, the same actuators are used as in systems without interlocking (No. 30-500, see page 580).

For three interlocking systems there are some other variants. In these, with the aid of an additional "place", the mutual interaction can be centrally released and/or blocked. For better differentiation, this function has been called interlocking system option. Basically, it only needs to consist of the actuator (plus lens or keylock actuator), but can be coupled with any desired switching element. For this "place" therefore, the number should be specified of the interlocking system, the interlocking system option and the actuator element, with the exception of any possible switching element.

Procedure when selecting functions amongst indicators, pushbuttons and switches for a interlocking switch assembly:

## 1.Selection of the interlocking system

2.Establishing the number of "places"
3. Selection of the actuator for the functions "indicating", "pressing", "switching"
4.As required: selection of interlocking system option
5.Selection of the switching elements for the "places"


A combination of several different interlocking systems in one interlocking switch assembly is possible within limitations.

580
01.2000



- with mutual interaction

O without mutual interaction
$\Delta \quad$ only for interlocking system option

|  | Type No. |
| :---: | :---: |
| Depth adapter for indicators, flat plug connection $2.8 \times 0.5 \mathrm{~mm}$ | 30-769.802 |
| Extended indicator depth adapter (same depth as low-level switching element) | 30-770.806 |
|  | $\begin{aligned} & 30-760.825 \\ & 30-768.822 \end{aligned}$ |
| Snap-action switching element $2 \mathrm{NO}+2 \mathrm{NC}$ | 30-761.825 |
| Snap-action switching element $3 \mathrm{NO}+3 \mathrm{NC}$ | 30-762.825 |
| Snap-action switching element $4 \mathrm{NO}+4 \mathrm{NC}$ | 30-763.825 |
| Low-level switching element $2 \mathrm{NO}$  | 30-750.836 |
| Low-level switching element <br> 2 NC | 30-751.836 |
| Low-level switching element $1 \mathrm{NO}+1 \mathrm{NC}$ | 30-752.836 |
| Indicator with 2 blocking diodes $1 \text { N } 4007$ | 30-772.806 |
|  | 30-774.829 |
| snap action switching element 1 N 4007 $2 \mathrm{NO}+2 \mathrm{NC}$ and 2 blocking diodes | 30-776.829 |

further switching elements on request

Important:
Proper functioning of the interlocking switch assemblies is only guaranteed with the lenses fitted.
For lenses and accessories, see under Series 31 from page 41


Please leave free for internal notes

Order No.:
Date:

Delivery date:

## Sample order for a interlocking switch assemblies of 6 places mechanism 530 and snap-action switching 2 NO + 2 NC



- with mechanical interlocking function

O no mechanical interlocking function
$\Delta$ only for interlocking system options

Please order accessories such as lenses, incandescent lamps, etc. separately. (see Series 31).

| Switching elements and indicator adapters |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30-750.836 Low-level switching element 2 NO |  |  |  |  |  |  |  |  |  |  |
| 30-751.836 Low-level switching element 2 NC |  |  |  |  |  |  |  |  |  |  |
| 30-752.836 Low-level switching element $1 \mathrm{NO}+1 \mathrm{NC}$ |  |  |  |  |  |  |  |  |  |  |
| $30-760.825 \begin{aligned} & 1 \text { snap-action switching ele- } \\ & \text { ment }\end{aligned} \quad 1 \mathrm{NO}+1 \mathrm{NC}$ |  |  |  |  |  |  |  |  |  |  |
| $30-761.825$2 snap-action switching ele- <br> ments$\quad 2 \mathrm{NO}+2 \mathrm{NC}$ | x | x | x | x | x | x |  |  |  |  |
| $30-762.825$3 snap-action switching ele- <br> ments$\quad 3 \mathrm{NO}+3 \mathrm{NC}$ |  |  |  |  |  |  |  |  |  |  |
| $30-763.825 \begin{aligned} & 4 \text { snap-action switching ele- } \\ & \text { ments }\end{aligned} \quad 4 \mathrm{NO}+4 \mathrm{NC}$ |  |  |  |  |  |  |  |  |  |  |
| 1 snap-action switching ele- <br> $30-768.822$ <br> ment with plug-in terminals 2,8 <br> $\times 0,5 \mathrm{~mm}$ |  |  |  |  |  |  |  |  |  |  |
| 30-774.8291 snap-action switching ele- $1 \mathrm{NO}+1 \mathrm{NC}$ and 2 blocking <br> ment |  |  |  |  |  |  |  |  |  |  |
| 30-776.829 $\begin{aligned} & 2 \text { snap-action switching ele- } 2 \mathrm{NO}+2 \mathrm{NC} \text { and } 2 \text { blocking } \\ & \text { ments }\end{aligned}$ |  |  |  |  |  |  |  |  |  |  |
| $\square$ |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| For indicator 30-380.0 |  |  |  |  |  |  |  |  |  |  |
| 30-769.802 Depth adapter with plug-in terminals $2,8 \times 0,5 \mathrm{~mm}$ |  |  |  |  |  |  |  |  |  |  |
| 30-770.806 Depth adapter with universal terminal |  |  |  |  |  |  |  |  |  |  |
| 30-772.806 Depth adapter with 2 blocking diodes |  |  |  |  |  |  |  |  |  |  |

Company:

Street:


Please leave free for internal notes

Order No:
Date:

Delivery date:


- with mechanical interlocking function

O no mechanical interlocking function
$\Delta$ only for interlocking system option

Please order accessories such as lenses, incandescent lamps, etc. separately (see Series 31).

| Switching elements and indicator adapters |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30-750.836 Low-level switching element 2 NO |  |  |  |  |  |  |  |  |
| 30-751.836 Low-level switching element 2 NC |  |  |  |  |  |  |  |  |
| 30-752.836 Low-level switching element $1 \mathrm{NO}+1 \mathrm{NC}$ |  |  |  |  |  |  |  |  |
| $30-760.825$1 snap-action switching ele- <br> ment$\quad 1 \mathrm{NO}+1 \mathrm{NC}$ |  |  |  |  |  |  |  |  |
| $30-761.825$2 snap-action switching ele- <br> ments$\quad 2 \mathrm{NO}+2 \mathrm{NC}$ |  |  |  |  |  |  |  |  |
| $30-762.825 \begin{aligned} & 3 \text { snap-action switching ele- } \\ & \text { ments }\end{aligned}$ |  |  |  |  |  |  |  |  |
| $30-763.825 \begin{aligned} & 4 \text { snap-action switching ele- } \\ & \text { ments } \end{aligned} \quad 4 \mathrm{NO}+4 \mathrm{NC}$ |  |  |  |  |  |  |  |  |
| 1 snap-action switching ele- <br> 30-768.822 ment with plug-in terminals 2,8 x 0,5 mm $1 \mathrm{NO}+1 \mathrm{NC}$ |  |  |  |  |  |  |  |  |
| $30-774.829 \begin{aligned} & 1 \text { snap-action switching ele- } \\ & \text { ment }\end{aligned} \quad 1 \mathrm{NO}+1 \mathrm{NC}$ and 2 blocking $\begin{array}{r}\text { diodes }\end{array}$ |  |  |  |  |  |  |  |  |
| $30-776.829 \begin{aligned} & \text { 2 snap-action switching ele- } \\ & \text { ments }\end{aligned} \quad 2 \mathrm{NO}+2 \mathrm{NC}$ and 2 blocking $\begin{array}{r}\text { diodes }\end{array}$ |  |  |  |  |  |  |  |  |
| $\square$ |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| For indicator 30-380.0 |  |  |  |  |  |  |  |  |
| 30-769.802 Depth adapter with plug-in terminals $2,8 \times 0,5 \mathrm{~mm}$ |  |  |  |  |  |  |  |  |
| 30-770.806 Depth adapter with universal terminal |  |  |  |  |  |  |  |  |
| 30-772.806 Depth adapter with 2 blocking diodes |  |  |  |  |  |  |  |  |

Interlocking switch assemblies，dimensioned drawing for page 581


勝 特 力 材 料 886－3－5753170胜特力电子（上海）86－21－54151736胜特力电子（深圳）86－755－83298787

## Http：／／www． 100 y ．com．tw

## Mounting Dimension



Perfect functioning is guaranteed only with the lenses fitted．

## Fitting

The complete interlocking switch assembly with the indicator and switching elements mounted can be pushed in from the front and fastened at the rear．
The interlocking switch assemblies can also be fitted in several rows one next to the other（or one below the other）（block assembly）．

