

## Main features

- Technopolymer housing
- Protection degree IP20 (terminals), IP40 (contacts)
- 14 contact blocks available
- Actuators with plastic or metal plunger
- Contact block with positive opening $\Theta$
- For internal use in PA, PX, PC series foot switches


## Quality marks:

## 

| IMO approval: |  |
| :--- | :--- |
| CA02.06217 |  |
| UL approval: |  |
| E131787 |  |
| CCC approval: |  |
| EAC approval: |  |

## Installation for safety applications:

Use only switches marked with the symbol $\Theta$ next to the product code. Always connect the safety circuit to the NC contacts (normally closed contacts: 11-12, 21-22 or 31-32) as required by EN ISO 14119, paragraph 5.4 for specific interlock applications and EN ISO 13849-2 table D3 (well-tried components) and D. 8 (fault exclusions) for safety applications in general. Actuate the switch at least up to the positive opening travel reported in the travel diagrams. Actuate the switch at least with the positive opening force, reported in brackets below each article, next to the minimum force value.
© If not expressly indicated in this chapter, for correct installation and utilization of all articles see the instructions given on pages 223 to 236.


## Description

Contact block with captive screws, finger protection and self-lifting clamping screw plates. Provided with positive opening NC contacts for safety applications. Provided with twin bridge contacts, they are particularly suitable for high-reliability applications. Suitable for installation inside PA, PX and PC series foot switches (for more information see the General Catalogue HMI).

Dimensional drawings
Contact type:
$\mathbf{R}=$ snap action
$\mathbf{R}=$ snap action
$\mathbf{L}=$ slow action
$\mathbf{L O}=$ slow action
LO = slow action, make before
break $\mathbf{S}=\begin{gathered}\text { break } \\ \text { slow ac }\end{gathered}$
LS $=$ slow act
$\mathbf{L V}=\begin{gathered}\text { slow action } \\ \text { shifted and }\end{gathered}$ shifted and
spaced
$=$ slow action
close





| Article | Contacts | Travel diagram |
| :---: | :---: | :---: |
| VF B502 $\Theta$ | 1NO+1NC | $\begin{array}{llll} 0.2 & \Theta_{4} & 6 \\ \hline \end{array}$ |


| $\square$ | $V F$ |
| :---: | :---: |
| $L$ | $V F$ |
|  |  |
|  |  |


| $L O$ | VF B701 | $\Theta$ | 1NO+1NC | VF |
| :---: | :---: | :---: | :---: | :---: |
| $\mathbf{L}$ | VF B901 | $\Theta$ | 2NC | VF |


| L | VF B1001 |  | 2NO | VF B1002 |  | 2NO | $\stackrel{0}{1.4}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| R | VF B1101 | $\Theta$ | 2NC | VF B1102 | $\Theta$ | 2NC | $\underbrace{0-\Theta^{4} \underbrace{6}}_{0.6}$ |
| R | VF B1201 |  | 2NO | VF B1202 |  | 2NO |  |
| LV | VF B1301 | $\Theta$ | 2NC | VF B1302 | $\Theta$ | 2NC |  |
| LS | VF B1401 | $\Theta$ | 2NC | VF B1402 | $\Theta$ | 2NC |  |
| LS | VF B1501 |  | 2NO | VF B1502 |  | 2NO |  |
| LA | VF B1801 | $\Theta$ | 1NO+1NC | VF B1802 | $\Theta$ | 1NO+1NC |  |
| L | VF B3701 | $\Theta$ | 1NO+1NC | VF B3702 | $\Theta$ | 1NO+1NC |  |
| L | VF B6601 | $\Theta$ | 1NC | VF B6602 | $\Theta$ | 1NC |  |
| L | VF B6701 |  | 1NO | VF B6702 |  | 1NO | 0.1 .4 |
| Max. speed | $0.5 \mathrm{~m} / \mathrm{s}$ |  |  | $0.5 \mathrm{~m} / \mathrm{s}$ |  |  |  |
| Actuating force | $8 \mathrm{~N}(20 \mathrm{~N} \Theta)$ |  |  | $8 \mathrm{~N}(20 \mathrm{~N} \Theta)$ |  |  |  |

Legend

- Closed contact
$\square$ Open contact
$\Theta$ Positive opening travel
acc. to IEC 60947-5-1
- Pressing the switch

4 Releasing the switch

## Code structure

## VF B501

| Contact block |  |
| :---: | :--- |
| $\mathbf{5}$ | $1 \mathrm{NO}+1 \mathrm{NC}$, snap action |
| $\mathbf{6}$ | $1 \mathrm{NO}+1 \mathrm{NC}$, slow action |
| $\mathbf{7}$ | $1 \mathrm{NO}+1 \mathrm{NC}$, slow action, make before break |
| $\mathbf{9}$ | 2 NC , slow action |
| $\mathbf{1 0}$ | 2 NO , slow action |
| $\mathbf{1 1}$ | 2 NC, snap action |
| $\mathbf{1 2}$ | 2 NO, snap action |
| $\mathbf{. .}$ | $\ldots \ldots \ldots . . . . . . . . . . . . .$. |

## Contact type

silver contacts (standard)
G silver contacts with $1 \mu \mathrm{~m}$ gold coating
G1 silver contacts with $2.5 \mu \mathrm{~m}$ gold coating

## Actuators

01 with technopolymer plunger (standard)
02 with metal plunger

