Data Sheet XBHP0210／2



| Recommend Manufacturer | Type number | Wire size（AWG） | Wire size $\left(\mathrm{mm}^{2}\right)$ | Color |
| :--- | :---: | :---: | :---: | :---: |
| JST | FVD2－YS4A | AWG 16－AWG 14 | $1,0-2,5 \mathrm{~mm}^{2}$ | Blue |
| TE connectivity | C－165012 | AWG 16－AWG 14 | $1,0-2,5 \mathrm{~mm}^{2}$ | Blue |
| Vogt | 3635 c | AWG 16－AWG 14 | $1,5-2,5 \mathrm{~mm}^{2}$ | Blue |
| TE connectivity | C－165015 | AWG 12－AWG 10 | $3,0-6,0 \mathrm{~mm}^{2}$ | Yellow |
| Vogt | $3652 \mathrm{c} / 3653 \mathrm{c}$ | AWG 12－AWG 10 | $3,0-6,0 \mathrm{~mm}^{2}$ | Yellow |
| Santon（JST） | 52A1256．35 | AWG $8-$ AWG 10 | $10,5 \mathrm{~mm}^{2}-16 \mathrm{~mm}^{2} * 1$ | $* 2$ |


| Terminals Scheme |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Layer No． | Front Side |  | Symbol | Rear Side |  | Positions |  |  |  |
|  | Left | Right |  | Left | Right | 1 | 2 | 3 | 4 |
| 7 |  |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |  |
| 3 | －1 |  | a | －1 |  | 1 |  |  | 0 |
| 2 |  |  | O－ |  | ＋1 | 1 |  |  | 0 |
| 1 |  |  | Empty |  |  |  |  |  |  |

（ $\mathrm{I}=$ Contact is closed， $\mathrm{O}=$ Contact is open）

## Mounting instructions

In the application all ratings according to the datasheet have to be respected．After mounting，the wiring must be checked and the switch must operate smoothly．When building the switch in an enclosure，the space envelope must be respected according to the applicable standards．

## Maintenance

The X type switches are designed for a very long life but it is advised to do some simple yearly maintenance．－Check the installation for signs of overload or overheating．The terminals may not exceed the limit of $85^{\circ} \mathrm{C}$ under full load． －By operating the switch a few times（ $5 x$ ）the contacts will clean themselves and the switch will have a longer life．

## Connection

The terminals，can take copper wires up to $6 \mathrm{~mm}^{2}$ ．
The recommended Spade Tongue Terminals may have a maximum width of 9 mm （see table for recommendations）
＊1 $16 \mathrm{~mm}^{2}$ only with fine stranded wire（or two times $6 \mathrm{~mm}^{2}$ ）
＊2 Optional：A yellow finger safe sleeve for the Spade
Tongue Terminal（Santon 52A1256．35）can be ordered under item number 52A1564．00

## Data Sheet XBHP0410／2




（ $\mathrm{I}=$ Contact is closed， $\mathrm{O}=$ Contact is open）

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## Data Sheet XBHP0610／2




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| :--- | :---: | :---: | :---: | :---: |
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| Santon（JST） | 52 A1256．35 | AWG $8-$ AWG 10 | $10,5 \mathrm{~mm}^{2}-16 \mathrm{~mm}^{2}{ }^{*} 1$ | $* 2$ |


| Terminals Scheme |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Layer No． | Front Side |  | Symbol | Rear Side |  | Positions |  |  |  |
|  | Left | Right |  | Left | Right | 1 | 2 | 3 | 4 |
| 7 | －3 |  | a | －3 |  | 1 |  |  | 0 |
| 6 |  | ＋3 | a |  | ＋3 | 1 |  |  | 0 |
| 5 | ＋2 |  | a | ＋2 |  | 1 |  |  | 0 |
| 4 |  | －2 | － |  | －2 | 1 |  |  | 0 |
| 3 | －1 |  | a | －1 |  | 1 |  |  | 0 |
| 2 |  |  | O－ |  | ＋1 | 1 |  |  | 0 |
| 1 |  |  | Empty |  |  |  |  |  |  |

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