

## Pendant Push-button Stations



# Pendant Push-button Stations STILO Series 

## Double-row type PK Single-row type B

## Main Features

The STIL0 range of push-button stations for auxiliary circuits has been designed and produced in compliance with the safety criteria specified in the Europan Rules Machinery Directive EEC 89/392.
The products are the result of years of experience and are specifically designed for heavy-duty as well as normal requirements.
Types PKE and BEI are most suitable for building cranes while types PKP and BPM are for bridge cranes.
They are available in versions containing from 4 to 14 buttons, size and inside space tested to allow fast cabling, thus reducing time and costs.

## Safety functioning

The emergency stop push-button has been produced in compliance with Standard EN 418 and the NC safety contact elements feature guaranteed opening (CEI EN 60947-5-1).
A single internal membrane separates the upper part from the bottom, which contains the electrical contacts, thus protecting from infiltration of water.
All materials used are resistant to atmospheric agents, temperature changes and shocks.
Actuators are marked with international symbols.
Self-cleaning sliding contact elements in silver nickel alloy.


## FURTHER FEATURES

| Insulation voltage | $660 \mathrm{~V} \sim$ |  |  |
| :--- | :--- | :--- | :--- |
| Test voltage | $2500 \mathrm{~V} \sim$ |  |  |
| Maximum exercise voltage | $400 \mathrm{~V} \sim$ |  |  |
| Grey - lower casing | RAL 8301 |  |  |
| Yellow - cover casing | RAL 8260 |  |  |
| Operating temperature range | $-25^{\circ} \mathrm{C}+70^{\circ} \mathrm{C}$ |  |  |
| Insulation | EN $60497-5-1$ |  |  |
| Protection degree | IP $65($ EN 60529$)$ | EN 418 |  |
| In compliance with rules | EN $60947-1$ | EN $60947-5-1$ | EN 60529 |
|  | EN $60204-1$ | EN $60439-1$ |  |
| Double insulation protection against |  |  | EN $60439-1$ |
| contact voltages |  |  |  |



## MK Push-button Element

## Main Features

The MK push button elements are inside parts of the PK and B pendant stations.
Casing is in self-extinguishing nylon glass.
Double breaking and self-cleaning sliding contact elements are in silver nickel alloy.
Screws and springs in inox steel.
MK elements are supplied as push button station spare parts.

## FURTHER FEATURES

| Insulation voltage | $\mathrm{U}_{\mathrm{i}}=660 \mathrm{~V} \sim \quad$ EN 60947-5-1 |
| :---: | :---: |
| Nominal thermal current | $\mathrm{I}_{\text {h }}=10 \mathrm{~A} \quad$ EN 60947-5-1 |
| Mechanical life | $3 \times 10^{6}$ operations |
| In compliance with rules: | EN 60947-5-1 |
| Maximum connectable section | $2 \mathrm{x} 1,5 \mathrm{~mm}^{2}$ or $1 \times 2,5 \mathrm{~mm}^{2}$ |
| Clamps | secured clamping screws |
| Use limits: AC 15 | $\mathrm{V}_{\mathrm{e}}$ (V) $24 \begin{array}{llllll} & 48 & 120 & 240 & 380\end{array}$ |
|  | $\begin{array}{llllllll}\mathrm{I}_{\mathrm{e}} & \text { (A) } & 10 & 10 & 6 & 3 & 1,9\end{array}$ |
| DC 13 | $\mathrm{V}_{\mathrm{e}}$ (V) $24 \begin{array}{lllll} & 48 & 125 & 250\end{array}$ |
|  | $\begin{array}{lllllllllll} \\ \mathrm{e}_{\text {e }} & \text { (A) } & 5 & 5 & 2,2 & 1,1\end{array}$ |

TYPES AND CODES

| 1 NC | 1 N0 | 2 NC SIMULT. | 2 NO SIMULT. | 1 N0+1NC | 2 N0 STEPS |
| :---: | :---: | :---: | :---: | :---: | :---: |
| D MK 01 | D MK 10 | D MK 02 | D MK 20 CC | D MK 11 | D MK 20 PR |

## Symbols and readings relating to standard actuators




ACCESSORIES AND SPARE PARTS

| ACCESSORIES AND |  |
| :--- | :---: |
|  | SPARE |
| PARTS E |  |
| Pilot light | D PKLAM |
| Arrow switch | D PKSELFR |
| Key switch | D PKSELCH |
| Emergency stop push-button | D PKFUN |
| Standard actuators for PK and B | D PKBOT |
| Closing component for PK and B | D PKELCH |
| Mechanical interlock | D PKBLMEC |
| Special rating labels | D PKTARG |




## Types and Codes

The single- and double-row push-button stations for building cranes, series BEI and PKE, and for bridge cranes, series BPM and PKP can be ordered using the following codes:

| Type | N. Actuators | C O D $\boldsymbol{E}$ |  | Type | C O D E |
| :---: | :---: | :---: | :---: | :---: | :---: |
| PKE | 4 | D PKE 4 |  | PKP | D PKP 4 |
|  | 6 | D PKE 6 |  | D PKP 6 |  |
|  | 8 | D PKE 8 |  | D PKP 8 |  |
|  | 10 | D PKE 10 |  | D PKP 10 |  |
| 12 | D PKE 12 |  | D PKP 12 |  |  |
|  | 14 | D PKE 14 |  | D PKP 14 |  |
|  |  |  |  |  |  |


| Type | N. Actuators | C O D E | Type | C ODE |
| :---: | :---: | :---: | :---: | :---: |
| BEI | 5 | D BEI 5 | BPM | D BPM 5 |
|  | 6 | D BEI 6 |  | D BPM 6 |
|  | 7 | D BEI 7 |  | D BPM 7 |
|  | 8 | D BEI 8 |  | D BPM 8 |
|  | 9 | D BEI 9 |  | D BPM 9 |
|  | 10 | D BEI 10 |  | D BPM 10 |
|  | 11 | D BEI 11 |  | D BPM 11 |
|  | 12 | D BEI 12 |  | D BPM 12 |

## Single-row pendant Push-button Stations for auxiliary circuits type BT

## Main Features

These push-button stations are suitable for controlling the auxiliary circuits of hoists, elevators, platforms and special machinery.

| Standard performances |  |  |  | Contacts | CODES |
| :---: | :---: | :---: | :---: | :---: | :---: |
| BT 2 | 0 | I |  | 1 NC 1 NA | D BT 2 A |
| BT 2 | 4 | $\downarrow$ |  | 1 NA 1 NA | D BT 2 B |
| BT 3 | 4 | 0 | $\downarrow$ | 1 NA 1 NC 1 NA | D BT 3 B |

$1 \mathrm{NO} 0+1 \mathrm{NC}$ contacts on request

## Push-button Control for Sand Scraper Machines

## Main Features

This push-button control is suitable for application to max. 27 mm . diameter pipes.
It is supplied with $31 / 2$ " cable clamp.
Degree of protection: IP 65 (EN 60529).

## Standard Types

Shown here are our standard performance products, on stock, designed to control the best-known cranes in the world.
These products are also available with international symbols only.
Given their versatile composition, personalised performance products are available
on request.


COD. D PKE 10 M 70
D PKE 10 M 71
D PKE 10 M 72
D PKE 10 M 73
D PKE 12 M 74


Movements 3 S 1R1C
3S 2R 1C
3S 2R 2C
2S 1R 1C
3S 1R 1C 1T
D PKE 12 M 75



D BEI 9 M 61 2S 2R 1C


D BEI 9 M 60 2S 1R1C


## Single-row type B



