BINDER MAGNETE


Joy-stick controllers are electric setpoint transmitters for open-loop and closed-loop control systems with a positive mid-point position. They are used for the electronic control of electrical and hydraulic motions. A single joy-stick controller can control two motions simultaneously by moving the control lever in the appropriate direction within the maximum possible deflection range. This does not apply to the bidirectional models (sin-gle-axis) or models with a cross gate (available to order).

## Joy-Stick Controllers

Universal or bidirectional deflection With or without dead-man button

## CE

These components are neither electronic nor electric appliances in the sense of the EMC regulation 89/336/EWG, but are only designed for mounting into other machines or installations, and they are not intended for end-customers.

Subject to design modifications without prior notice. Please note ordering data!

## Technical Data

| Applicable to all 33 25004D . . models |  | Applicable to type 33 25004D . . | $\begin{aligned} & \text { D00 } \\ & \text { D03 } \\ & \text { D05 } \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { D51 } \\ & \text { D52 } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \pm 30 \\ & 0.3 \ldots 0.8 \\ & >500000 \\ & -30 \ldots+50 \\ & 00 \\ & 43 \\ & 5 / 220 \\ & 0.4 / 25 \\ & 1 / 110 \\ & 0.2 / 24 \end{aligned}$ | Potentiometer $\pm 10 \%$ $\mathrm{k} \Omega$ <br> rating at $40 \wedge \mathrm{C}$ W <br> Operating voltage $\mathrm{U}_{\mathrm{B}}$ V <br> Slider current (max.) mA <br> Output current (max.) <br> Resolution referred to <br> change in resistance mA <br> Change in resistance from <br> end stop to mid-point $\mathrm{k} \Omega$ <br>   <br> Output voltage $\mathrm{U}_{\mathrm{A}}$ V <br> Stabilized voltage $\mathrm{U}_{\mathrm{st}}$ V <br> with bridge <br> without bridge V | $\begin{aligned} & 5 \\ & 2 \\ & \operatorname{max.} 80 \mathrm{~V}_{\mathrm{ms}} \\ & 100 \\ & - \\ & 0.86 \\ & 0.55 \\ & (1.95 \ldots 2.5 \ldots 3.05) \\ & \frac{U}{2} \pm 0.11 \times \mathrm{U} \end{aligned}$ | $\begin{aligned} & 2 \times 1.8 \\ & 2 \\ & 10 \ldots 32 \mathrm{~V}- \\ & - \\ & 30 \\ & 1.17 \\ & 1.8 \\ & (1.8 \ldots 0 \ldots 1.8) \\ & 2 \times 0 \ldots U_{\mathrm{st}} \\ & 8 \\ & 15 \end{aligned}$ |

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## Ordering example

00, 03, 05, 51, 52
corresponding to the requested model

Joy-Stick
33 25004D $\square$

| Model | Switching functions | Potentiometer functions |
| :--- | :--- | :--- |
| Type 33 25004D00, round knob |  |  |
| 2 axes, universal deflection 1 ) |  |  |
| 2 Potentiometers $5 \mathrm{~kW} / 2 \mathrm{~W}$ |  |  |
| 4 microswitches |  |  |
| plug-type terminals $2.8 \times 0.5 \mathrm{~mm}^{2}$ ) |  |  |

Type 33 25004D03, round Knob
1 axis, bidirectional deflection
1 potentiometer $5 \mathrm{k} \Omega / 2 \mathrm{~W}$
2 microswitches
connecting terminals


Type 33 25004D05, long knob
with dead-man button 2 axes, universal deflection ${ }^{1}$ )
2 potentiometers $5 \mathrm{k} \Omega / 2 \mathrm{~W}$ plug-type terminals $2.8 \times 0.5 \mathrm{~mm}^{2}$

| Type 33 25004D51, round knob |
| :--- | :--- |
| stabilized voltage $U_{\text {st }}$with bridge <br> without bridge <br> $\quad 8 \mathrm{~V}$ |

1 axis, bidirectional deflection
1 potentiometer $2 \times 1.8 \mathrm{k} \Omega / 2 \mathrm{~W}$
2 microswitches
plug-type terminals $2.8 \times 0.5 \mathrm{~mm}^{2}$ )
1 voltage regulator with solder tag terminals

Type 33 25004D52, round knob
stabilized voltage $U_{\text {st }}$ with bridge $\quad 8 \mathrm{~V}$
without bridge 15 V
2 axes, universal deflection ${ }^{1}$ )
2 potentiometers $2 \times 1.8 \mathrm{k} \Omega / 2 \mathrm{~W}$
4 microswitches
plug-type terminals $2.8 \times 0.5 \mathrm{~mm}^{2}$ )
2 voltage regulators with solder tag terminals

1) With cross gate (4 deflections) to order
2) To DIN 46244


$14+0,5$
Drilling patterns for desk panel (maximum material thickness 4 mm )

