

System Components



TILLER-HEAD TEMO 200

The tiller-head can be used for many different applications in electric vehicles. The TEMO 200 has space for two operating switches. With these switches you can cover the basic functions in a tiller-head controlled vehicle (for example, raise and lower). Our switches program T includes a wide range of different buttons, rocker switches, latched rocker switches and an analogue switch. Out of these options you can customise your operating switches requirements. The symbols are etched by a laser and are consequently resistant against environmental influences.

- Highly resistant plastic housing (the base of the housing is made out of one complete part)
- Ergonomically modelled handles
- Tireless handling – the buttons are easy to reach and you can activate them with a small amount of effort
- Secure because of the floating-mounted belly button switch
- Different kinds of traction switches from wellknown manufacturer of controls available (Curtis, DMC, Dynamic Controls, PG Drives Technology, Sauer Danfoss, Sevcon and Zapi)
- Awarded with the International Design Price Baden-Württemberg Focus Safety 2007

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Assembly / Disassembly

The upper part and the lower part are joined through four socket screws. If you unscrew these four bolts, you could easily lift off the two parts. The mounting plate is screwed with three M8-bolts at the tiller head.

Connection Mounting Bracket

The tube and the mounting plate are not included in delivery.



Technical Specifications

Operation Elements

Button/rocker switch/switches	Max. breaking capacity 48 V _{DC} / 1 A Min. breaking capacity 24 V _{DC} / 10 mA
Analogue switches	Max. breaking capacity 48 V _{DC} / 4 mA switching current Wiper current < 0.1 mA
Signal horn	Micro-switch NO Connector 2-pin
Optimum range of application	10 mA / 5 V – 1.5 A / 24 V
Rabbit / turtle (optional)	Micro-switch NO Connector 2-pin
Optimum range of application	5 mA / 3 V – 50 mA / 24 V
Traction switch	Diff. versions are possible (for different control systems)
Mounting bracket	Max. 40 x 70 mm

Standard Colours

Operation elements (button)	RAL 2011 deep orange
Lower part with handle	RAL 9005 jet black
Cover top	RAL 7015 slate grey
Belly button switch	RAL 3000 flame red
Connectors	Molex Mini-Fit, Jr.™

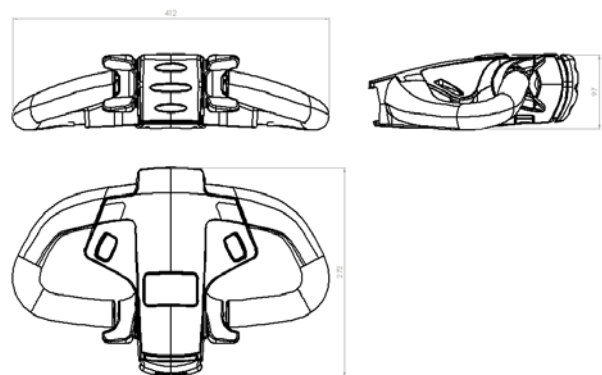
Operating Conditions

Operating temperature	-40°C to +85°C
Protection class (DIN 40050)	Tiller head IP 40 Operation elements and traction switch minimum IP 54

Special Design

- The operation elements and the grips are available in different standard colours. Special colours would be possible on request.
- Laser-marking of the operation elements
- Protective shield for round tiller tubes

Dimensions [mm]



Required Details on Inquiries

- Number of buttons / rocker switches / switches / analogue switches
- Designation of the controller to find the right traction switch
- Rabbit / turtle-function desired
- Selection of the colour

Order Data

Part No.	Description
3101-00020-XX	TEMO 200 will be configured user-specific