



**CAN**®



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winner 2019

### **BRAVA ACTRA JOY PLUS MULTIFUNCTION ARMREST**

Ideal for wide-ranging applications in harsh environments: The BRAVA multifunction armrest guarantees a high level of flexibility when equipping industrial trucks, agricultural and construction machinery as well as in numerous industrial applications. It comprises an arm support and a control unit, which can be selected and configured to suit the application.

The newly developed module “ACTRA JOY” ensures a maximum of variability: It can be equipped with two joystick, a travel direction switch and with up to three auxiliary buttons. The high degree of functionality, excellent ergonomics and sensitive control ensure fatigue-free and precise work.

- Ergonomically shaped armrest
- Horizontal and vertical adjustment
- Stepless height adjustment supported by a gas strut
- Customer-specific colours and symbols
- Communication via CANopen interface

# Multifunction Armrests



www.frei.de

## Armrest with control unit ACTRA JOY



## Height adjustment BRAVA



## Armrest with control unit ACTRA JOY



### Technical data

#### Operation elements

Two-axis Finger Joystick	Contactless via Hall sensors
Joystick limiter	Round, square, cross
Joystick push button	Tactile switch
Direction switch (momentary / latched)	Contactless via Hall sensors
Push button	Contactless via Hall sensors
Momentary rocker switch with two positions	Contactless via Hall sensors
Momentary rocker switch with three positions	Contactless via Hall sensors
Latched rocker switch with two positions	Contactless via Hall sensors
Latched rocker switch with three positions	Contactless via Hall sensors

#### Electrical data

Voltage supply	7 V – 65 V
Nominal operating voltage	12 V / 24 V / 48 V
Transmission protocol	CANopen
Cable and plug-in connector	Superseal 6 pin, 1.5 series (injection-moulded on the housing)

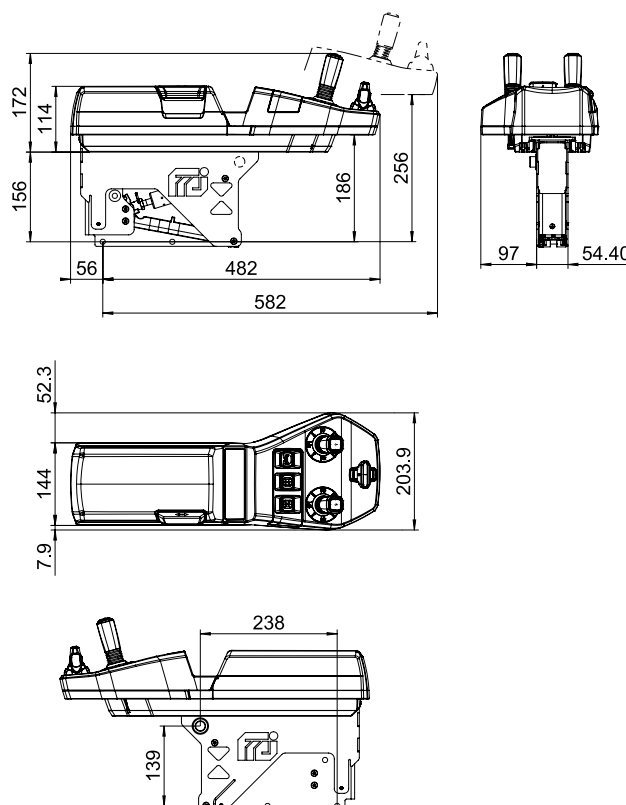
#### Mechanical data

Dimensions	See drawings
Mounting screws	3 x Ø 9.0 mm

#### Operating conditions

Operating temperature	-30 °C to +65 °C
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### Dimensions [mm]



### Order data

Part-No.	Designation
3108-00xxx-xx	ACTRA JOY
3202-00563-00	BRAVA arm support
3202-00131-00	BRAVA height adjustment