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Due to its compact and robust design, the XENO thumb joystick offers a wide range of installation options. Its modular design and sensitive control allow it to be used ergonomically with the fingertips. Further characteristics of the XENO thumb joystick are its intuitive use and its long service life. Besides being used in the BRAVA armrest from Frei, the thumb joystick is predestined for use in customer-specific applications.

- Contactless Hall-effect sensor technology
- Two axes
- Two analogue signals per axis, X characteristic
- Ergonomic design
- Protection class IP 68 except plug
- Service life 3.5 million cycles
- EMC in accordance with EN 12895
- Functional safety in accordance with EN ISO 13849, PL d

Due to its space-saving design and precise controllability, the MONO fingertip joystick is the ideal solution in limited installation space. The single-axis joystick's cap is available in several colours and can be laser-engraved with both standard and customer-specific symbols. The modular design allows it to be used in a wide number of industrial applications.

- Central zero position
- Angle of rotation: ± 30°
- Contactless Hall-effect sensor technology
- Two analogue signals, X characteristic
- Sensitive control
- Ergonomic design
- Protection class IP 68 except plug
- Long service life of 5 million cycles
- EMC in accordance with EN 12895: 2015-09
- EMC 100 V/M in accordance with ISO 11452-2
- Functional safety in accordance with EN ISO 13849, PL d
The **BRAVA PLUS** armrest stands out due to its high degree of modularity. It can be used in a wide range of applications in industrial trucks, agricultural and construction machinery as well as a great many industrial applications. The armrest comprises several modular elements:

- The ACTRA control unit
- A horizontally adjustable arm support
- The support cover is located between the control unit and the arm support. This provides room for additional functions
- A height adjustment unit. The stepless height adjustment is achieved using a gas strut.

For the BRAVA armrest FREI can provide three ergonomically shaped control units: ACTRA MONO 300, ACTRA MONO 400 and ACTRA JOY.

The ACTRA MONO control unit has a maximum of four single-axis finger joysticks and a thumb-operated control unit.

**ACTRA MONO 300**
- Thumb-operated unit has three standard controls

**ACTRA MONO 400**
- Thumb-operated unit has two standard controls and a two-axis joystick

The ACTRA JOY control unit has two Joysticks.

**ACTRA JOY**
- Two two-axis Joysticks with an integrated push button
- Three standard controls
- Direction switch
Due its high degree of modularity, the **AURIGO CAN** multifunction steering wheel can be used in a wide variety of trucks. The housing provides room for six control elements. Due to the steering wheel’s ergonomic design, the momentary toggle switches on the side of the steering wheel can be operated comfortably with the tips of the fingers. The steering wheel handles each have room for one traction switch. These are optionally available with a capacitive hand-detection sensor.

- Freely configurable system with regard to quantity, colour and type of controls
- Optionally available with a capacitive hand-detection sensor
- Optionally available with steering damping
- CANopen
- Exceedingly easy to attach to a truck due to its integrated mounting plate

The **MINISTRO** control handle excels due to its ergonomic and robust design. The MINISTRO provides the operator with a secure grip and can be optimally used on both platform and pedestrian trucks.

- Ergonomically shaped and robust one-piece plastic housing
- Including metal mounting adapter for easy installation
- The butterfly knob is available in various standard colours
- Optionally available with a capacitive hand-detection sensor
- Optionally available with traction switch