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Data Sheet for Joysticks

Finger Joystick — Series 830



- 2 axes (special versions with 3 Axes upon request)
- Spring return to center position or friction hold
- Customer-specific handles and sensors upon request
- Angle-dependent actuation of Microswitches

The 830 series can be configured to different applications by choosing between different sensors and handle designs. Due to the robust, at the same time smart construction the series is very cost-effective.

Technical Data of Joystick base	
Mechanical Angle of Movement X-, Y-Axes	±29° from center
Return to Center Accuracy	±1°
Operating Force X- and Y-axis	1,6 N
Expected Life	ca. 2 Mio. cycles
Operating Temperature	-40°C..+70°C
Protection Class	IP54 (with boot)
Panel Thickness	max. 2,5 mm

Technical Data of Standard Poti Type M (other sensors on request)	
Sensor	Conductive Plastics Potentiometer
Resistance / -tolerance	5 kOhm / ±15%
Independent Linearity	±1,5%FS
Electrical rotation angle	54° ±6°
Max. Current	1 mA
Max. Voltage	30 VDC
Power Rating at +40°C	0,15 W

Data Sheet for Joysticks

Finger Joystick — Series 830

Order Description

Series	**830**						
Axes							
2 Axes		**2**					
2 Axes with Pushbutton (*)		3 (*)					
1 Axis		1 (*)					
1 Axis with Pushbutton (*)		6 (*)					
3 Axes		4 (*)					
3 Axes with Pushbutton (*)		5 (*)					
Rubber Boot with rectangular Bezel			**5**				
Rubber Boot with stainless steel Bezel			**6**				
Flat Rubber Boot and Bezel			**K**				
No Rubber Boot			0 (*)				
Spring Return				**1**			
Friction Hold (*)				2 (*)			
Cylindrical Handle (Duroplast)					**B**		
Without Trimm						**1**	
Potentiometer Type M							**M**

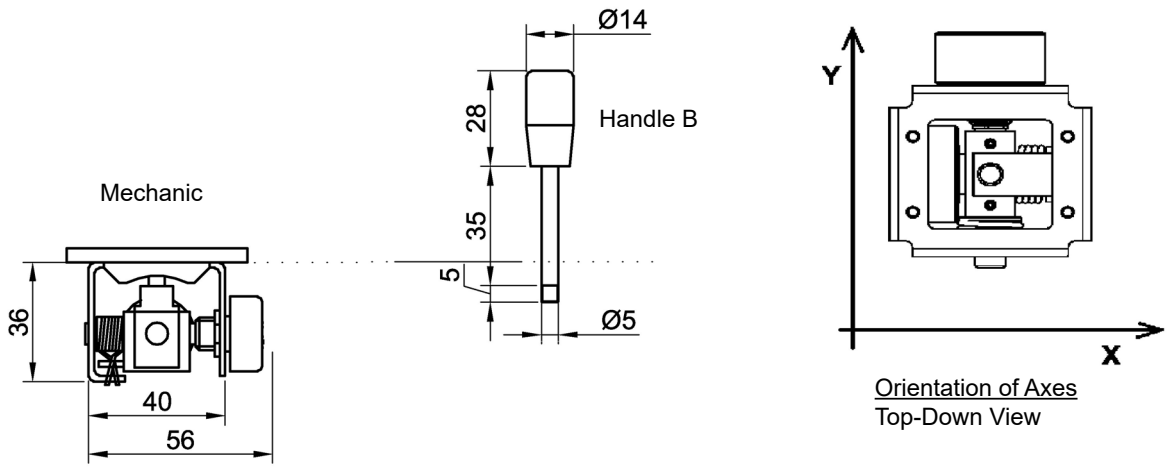
(*) upon request

For higher quantities or on-going demand, additional options are available

For example:
- Further handle variants, e.g. with integrated pushbutton or third axis functionality
- Angle-dependent Actuation of Microswitches
- Potentiometer with different characteristics

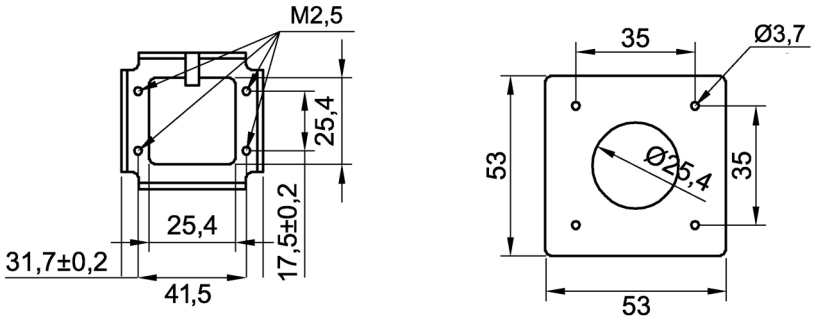
Finger Joystick — Series 830

Technical Drawings



Orientation of Axes
Top-Down View

Panel Cut-Out & Mounting Holes



for cover type K | for cover type 5 | for cover type 6

Dimensions in mm

Covers & Bezels



Cover Type K



Cover Type 5 black

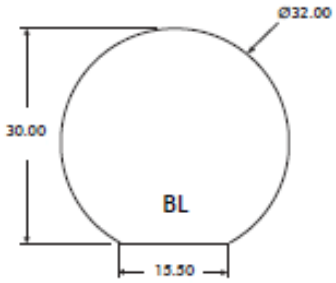


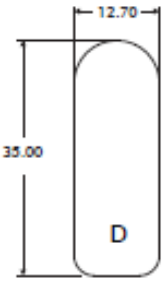
Cover Type 6 chrome-plated

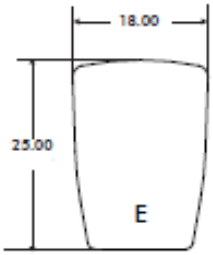
Data Sheet for Joysticks

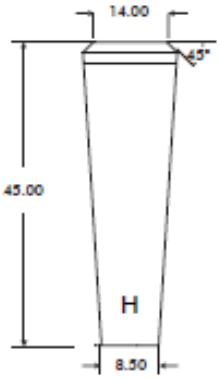
Finger Joystick — Series 830

Further Handle Variants (upon request)

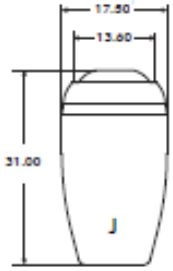


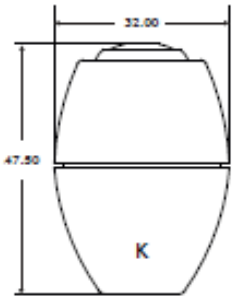


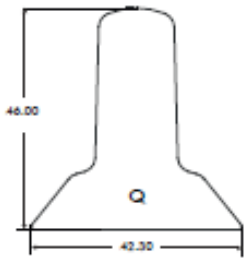


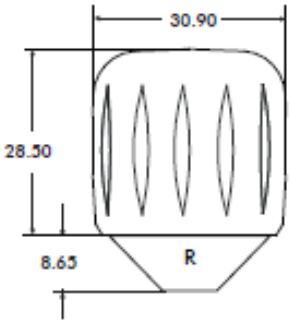


MATERIAL	Nylon	Aluminium	Nylon	Stainless Steel
FINISH	Sparked Matt	Anodised	Sparked Matt	Natural
STANDARD COLOR	Black	Black	Black	Stainless Steel
OTHER COLORS	n.a.	n.a.	Upon Request	n.a.

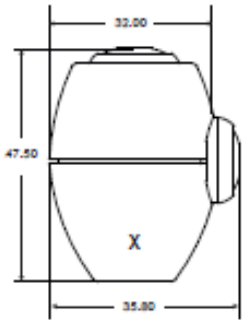


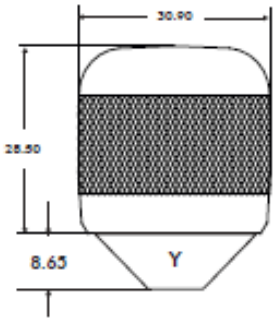




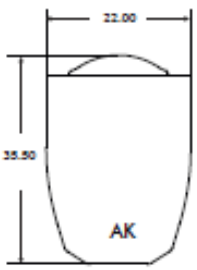


MATERIAL	ABS	ABS	Nylon	Aluminium
FINISH	Sparked Matt	Sparked Matt	Sparked Matt	Anodised
STANDARD COLOR	Black	Black	Black	Black
OTHER COLORS	Upon Request	n.a.	n.a.	n.a.
NOTES	Pushbutton	Pushbutton		Third Axis









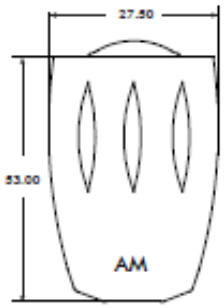
MATERIAL	ABS	Aluminium	Stainless Steel	Aluminium
FINISH	Sparked Matt	Anodised	Polished	Anodised
STANDARD COLOR	Black	Black	Stainless Steel	Black
OTHER COLORS	Upon Request	n.a.	n.a.	n.a.
NOTES	2 Pushbuttons	Third Axis		Pushbutton

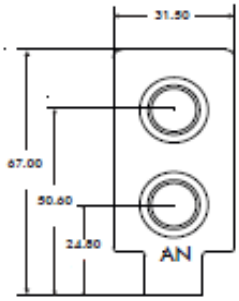
Dimensions in mm

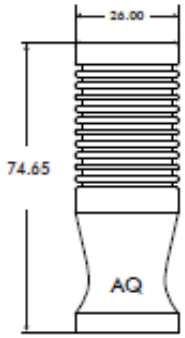
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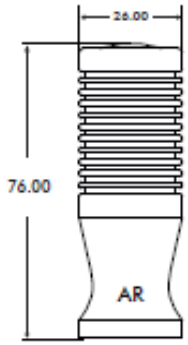
Finger Joystick — Series 830

Further Handle Variants (upon request)

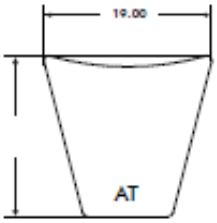


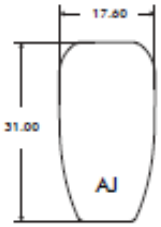


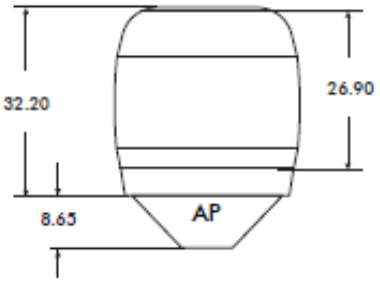




MATERIAL	Aluminium	Delrin	Aluminium	Aluminium
FINISH	Anodised	Gloss	Anodised	Anodised
STANDARD COLOR	Black	Black	Black	Black
OTHER COLORS	Upon Request	n.a.	n.a.	n.a.
NOTES	Pushbutton	Pushbuttons		Pushbutton

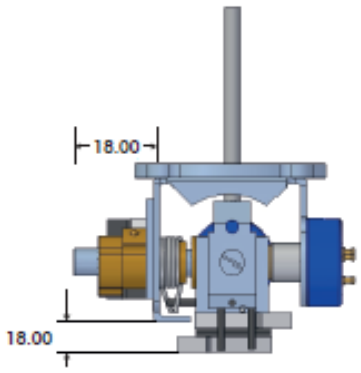


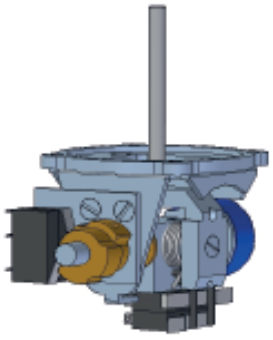




MATERIAL	Nylon	Stainless Steel	Santoprene over Nylon
FINISH	Sparked Matt	Polished	Soft Touch
STANDARD COLOR	Black	Stainless Steel	Black
OTHER COLORS	Upon Request	n.a.	Upon Request
NOTES			Third Axis

2 or 4 Microswitches (upon request)





Dimensions in mm

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